

DELCO

Circuit Diagrams



OF THE

1921

Automobile Systems

Including

1920 Diagrams not in the 1920 Supplement - also certain advance
1922 Diagrams

— — —

THE

Dayton Engineering Laboratories Co.

DAYTON, OHIO

The circuit diagrams in this supplement of the Delco Service Manual cover the 1921 apparatus, including the late 1920 apparatus which does not appear in the 1920 supplement, also certain advance 1922 apparatus.

Some motor car manufacturers do not make it a practice to bring out a model each season, and in some instances the car model may not be known as a 1921 model

The 1920 diagrams will be found in the front part of this supplement and the 1922 diagrams in the back - reference should be made to the index.

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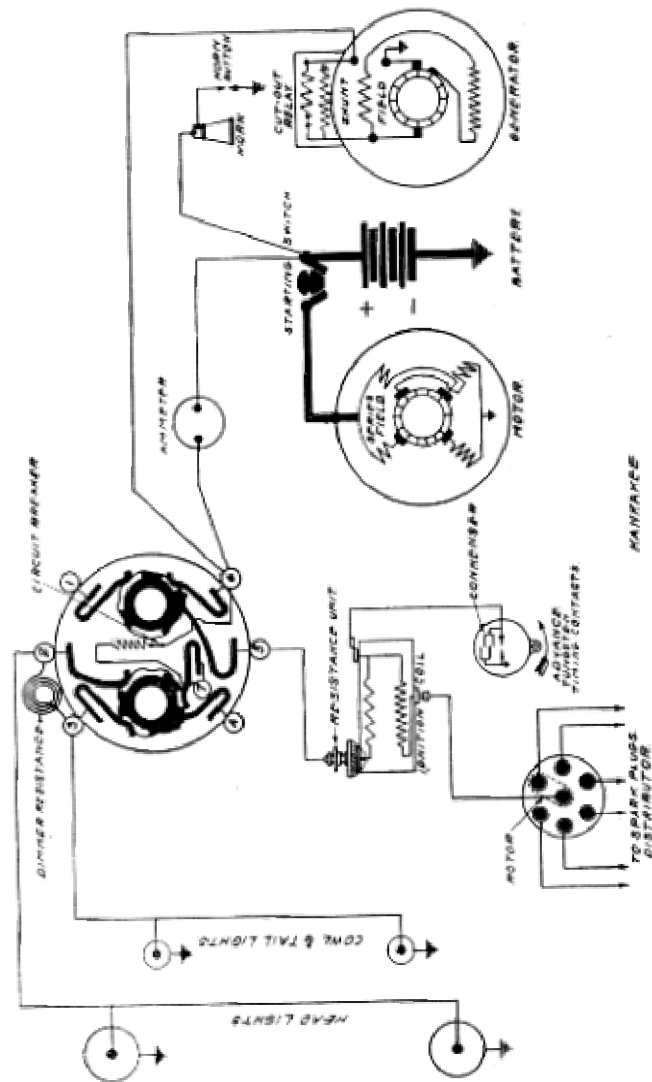
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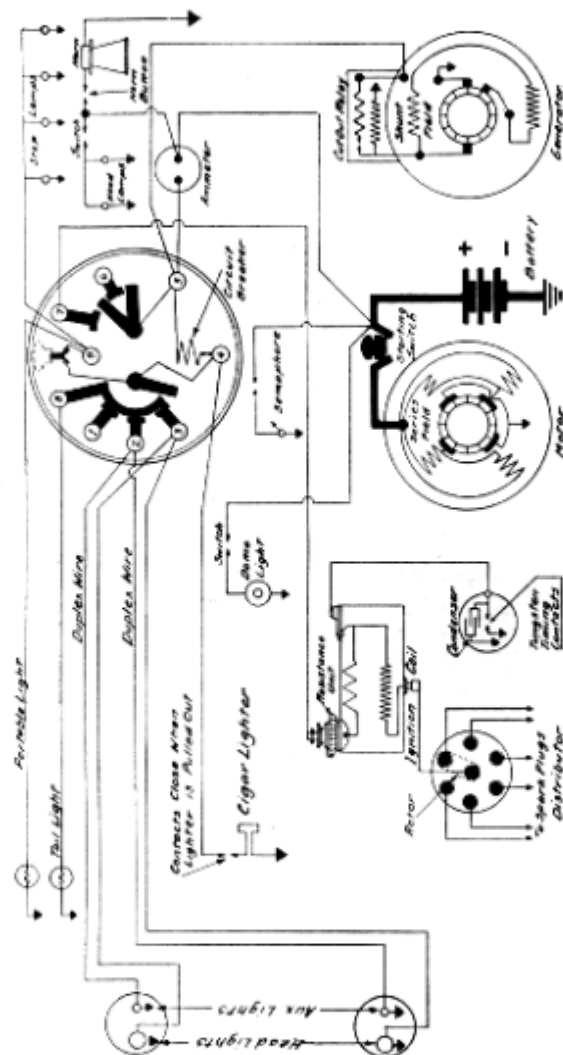
KANKAKEE AUTOMOBILE COMPANY—1920 Model Using 9-N Continental Engine



179 Motor
180 Generator
1172 Combination Switch

1965 Motor Switch
2159 Ignition Coil
5215 Distributor

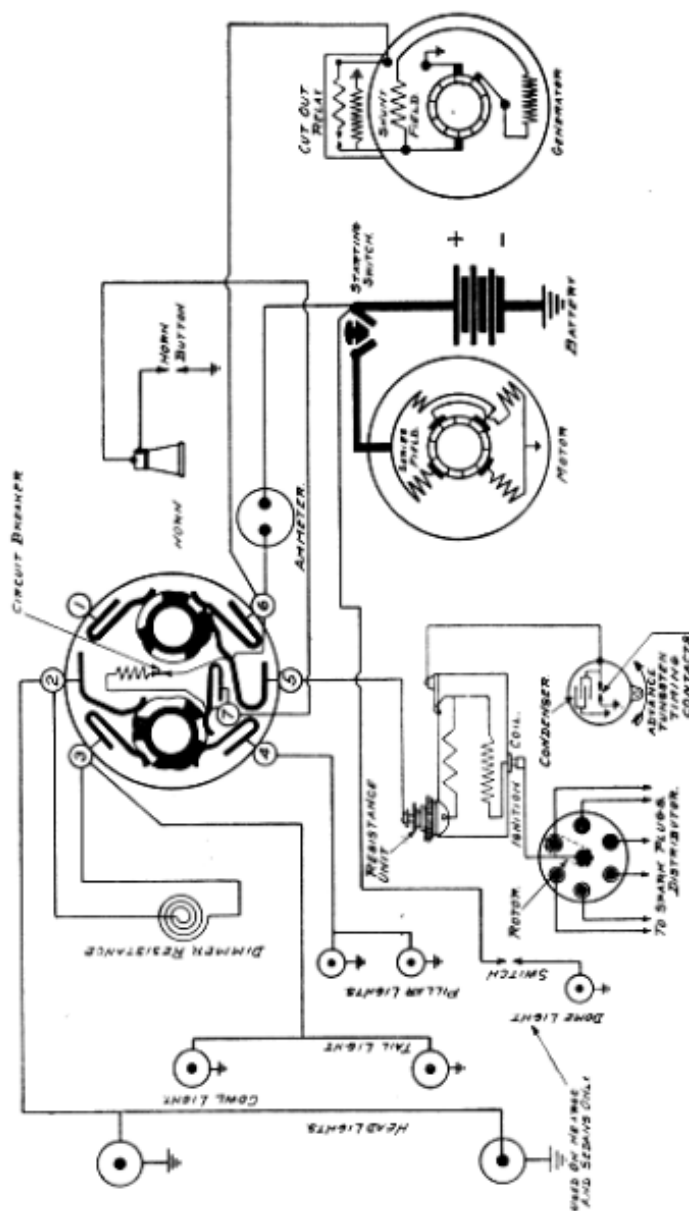
THE LEACH-BILTWELL MOTOR COMPANY—1920 Models A, B.
Using 9-N Continental Engine



1964 Motor Switch
2159 Ignition Coil
5215 Distributor

179	Motor
180	Generator
1178	Combination Switch

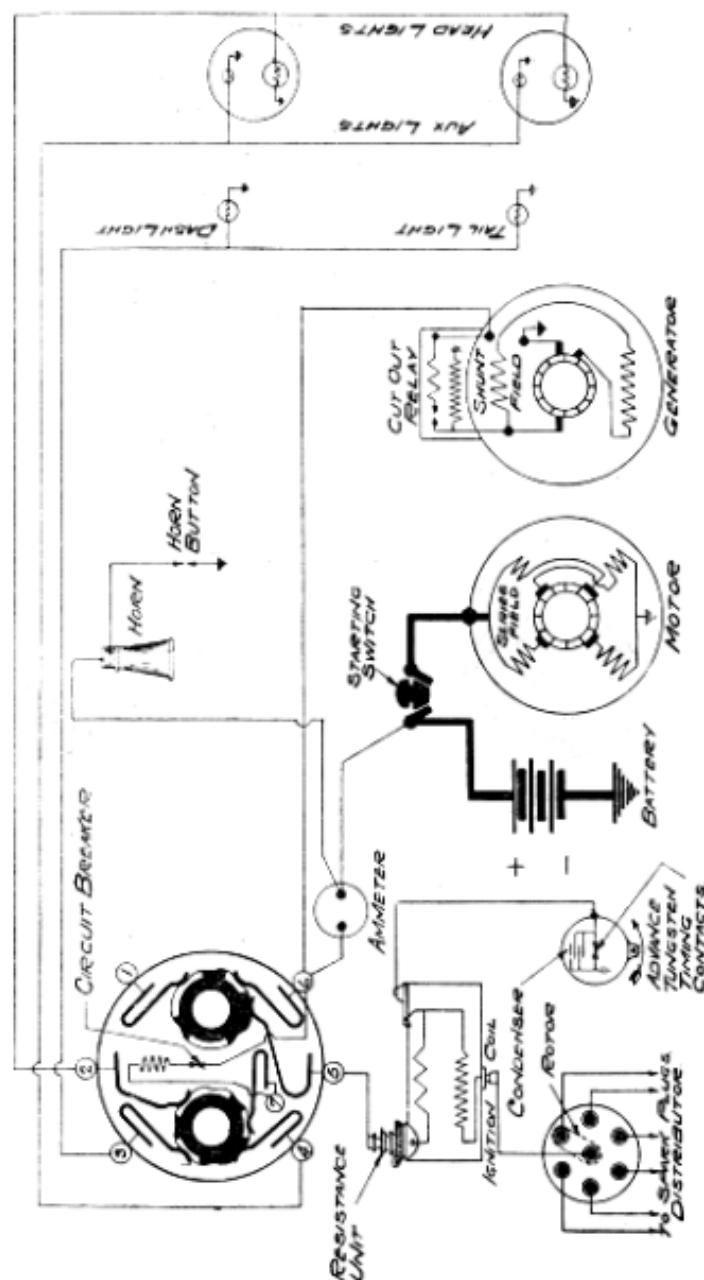
METEOR MOTOR CAR COMPANY—1920 Model Using 9-N Continental Engine



1965 Motor Switch
2159 Ignition Coil
5215 Distributor

179 Motor
180 Generator
1172 Combination Switch

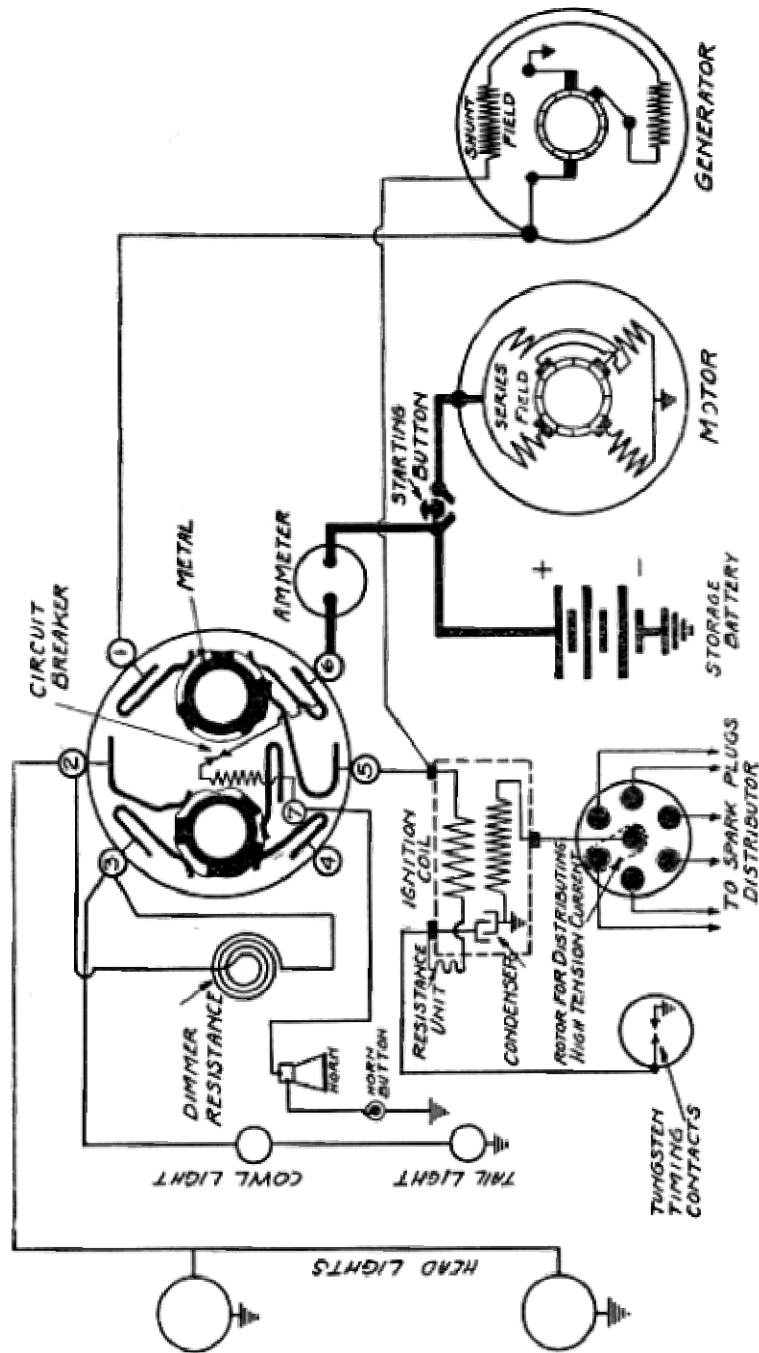
MOON MOTOR CAR COMPANY—1920. Model 6-48
Using 7-R Continental Engine



- 1964 Motor Switch
2159 Ignition Coil
5208 Distributor

- | | |
|------|--------------------|
| 181 | Motor |
| 165 | Generator |
| 1182 | Combination Switch |

NOMA MOTOR CORPORATION—1919. Series A, B. Using 7-W Continental Engine

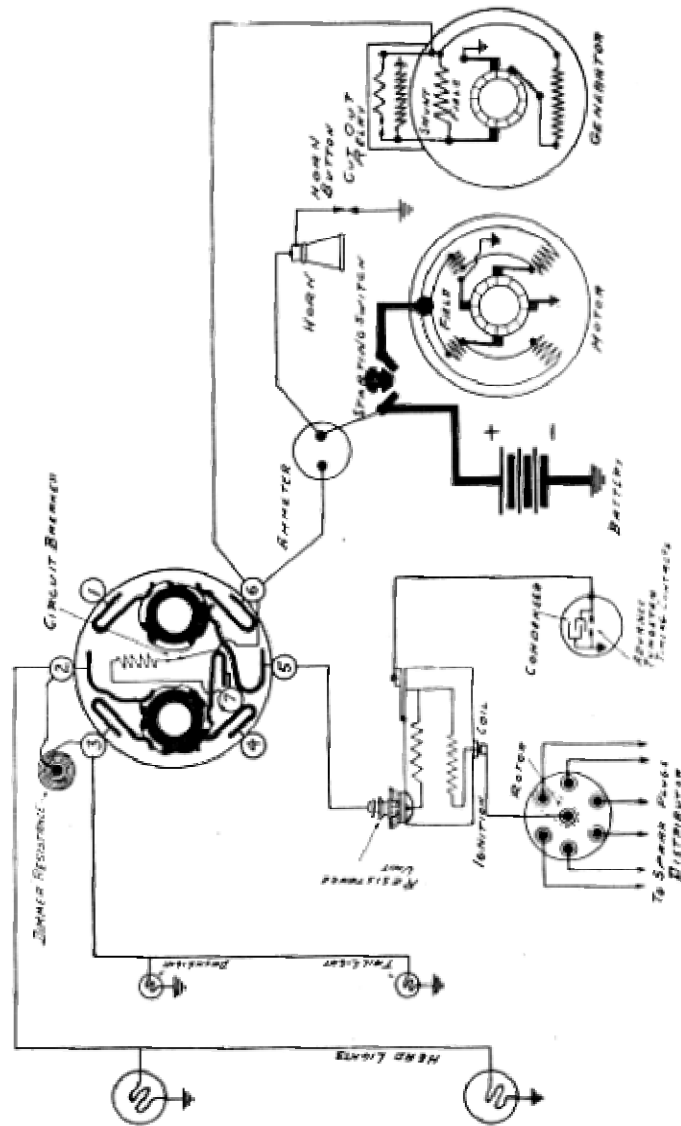


1172 Combination Switch
1966 Motor Switch

106 Motor
106 Generator

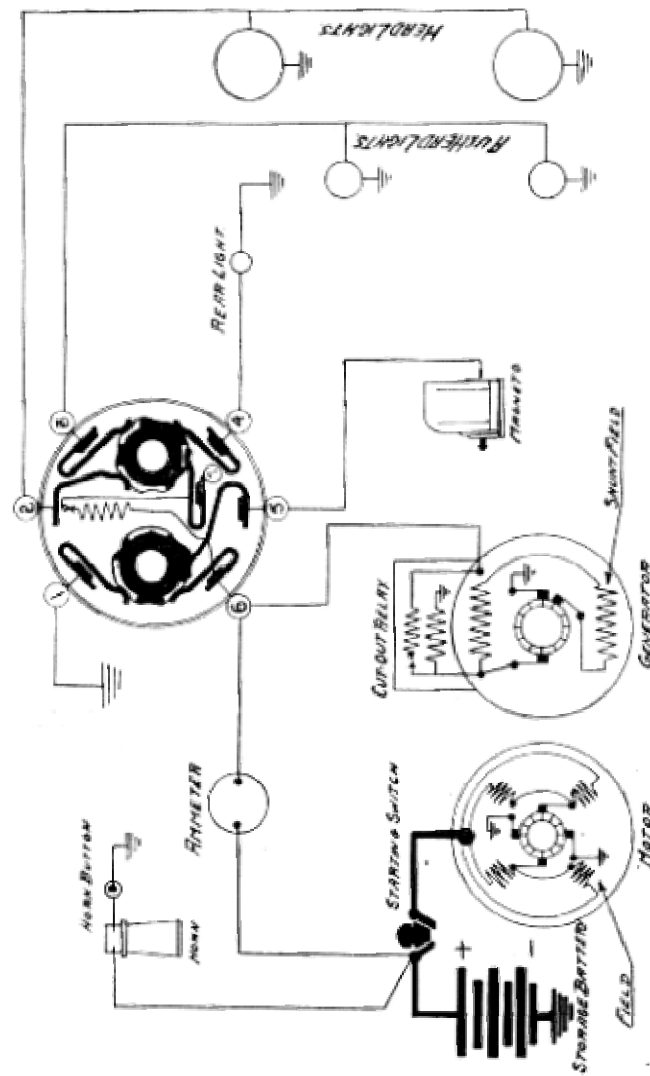
2158 Ignition Coil

SOUTHERN TRUCK & CAR CORPORATION—1920. Model A-30
Using Lycoming K-4 Engine



- | | | | |
|------|--------------------|------|---------------|
| 177 | Motor | 1964 | Motor Switch |
| 176 | Generator | 2159 | Ignition Coil |
| 1172 | Combination Switch | 5214 | Distributor |

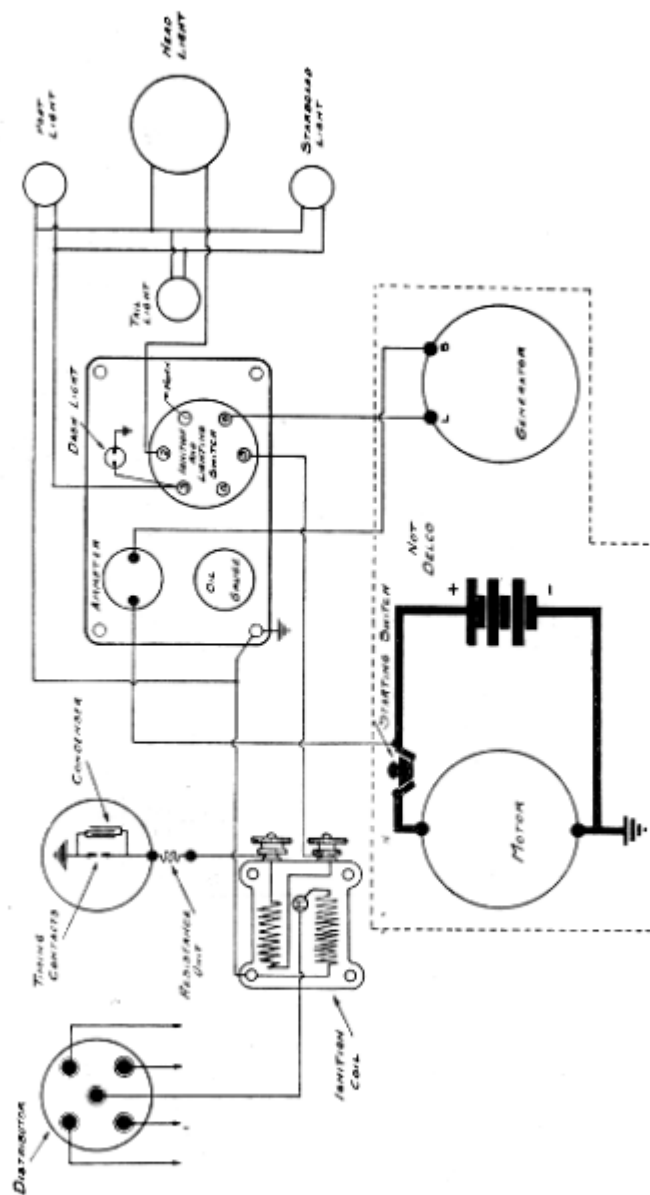
ATTERBURY MOTOR CAR COMPANY—1921. Model 20-R (1½-Ton Truck) Using J-4 Continental Engine



1189 Combination Switch
 1966 Motor Switch

200 Motor
 197 Generator

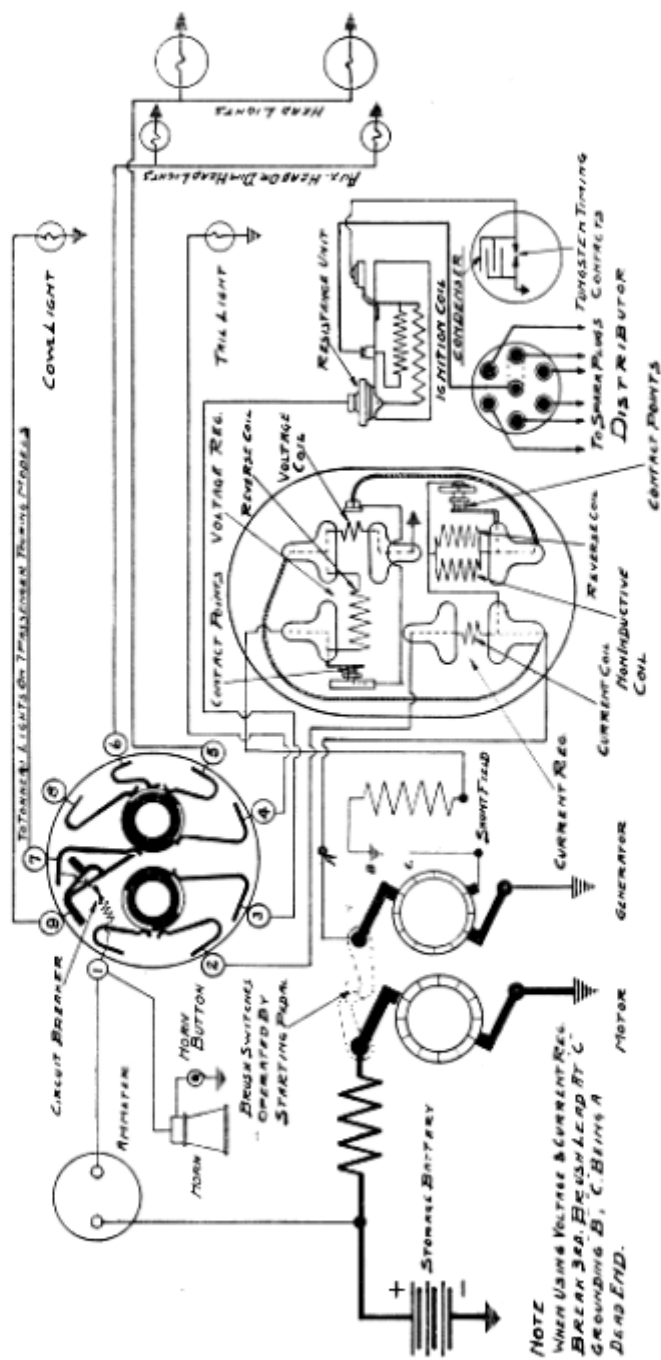
AUTO ENGINE WORKS—1921 Model **Using 4-Cylinder "Capitol" Marine Engine**



1171 Combination Switch
 2135 Ignition Coil
 5188 Distributor

BUICK MOTOR COMPANY—Export 1921

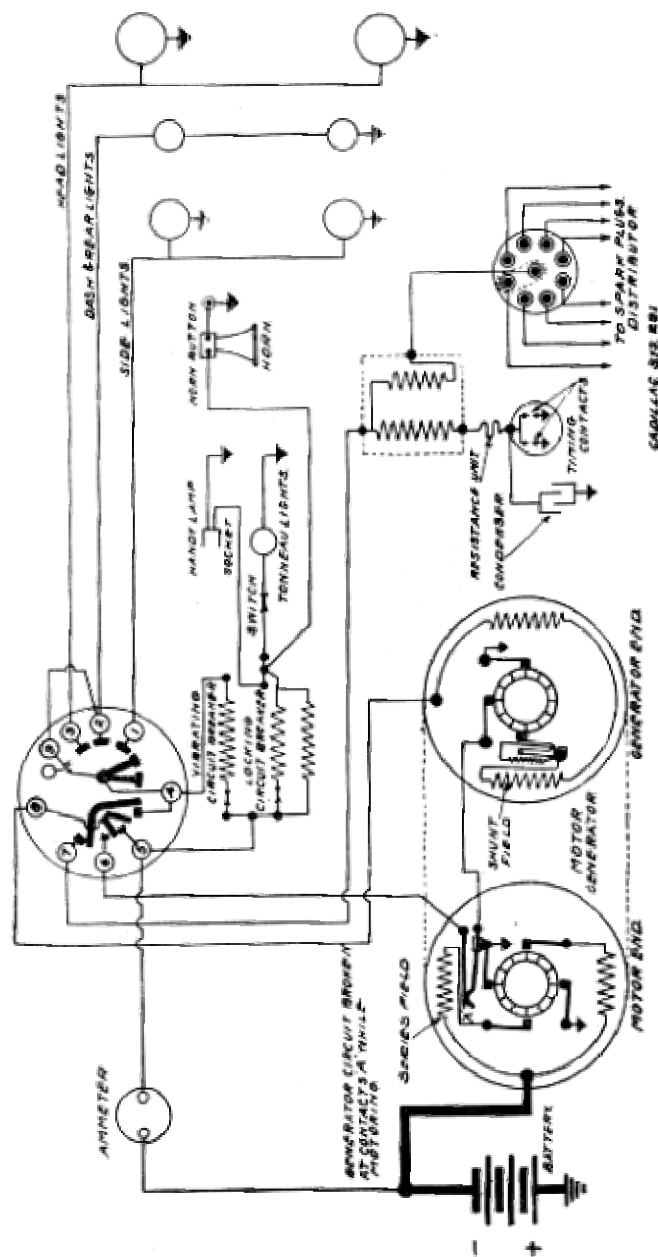
Series 21. Models 44, 45, 49



190 Motor Generator
1159 Combination Switch

2159 Ignition Coil
12224 Motor Clutch
5512 Apparatus Box (Optional Equipment)

CADILLAC MOTOR CAR COMPANY—1921. Type 59



- | | |
|-------------------------|----------------------|
| 162 Motor Generator | 5206 Distributor |
| 1150 Combination Switch | 12677 Motor Clutch |
| 2115 Ignition Coil | 5742 Circuit Breaker |

The diagram illustrates the wiring for a Delco generator-motor starting system. Key components include:

- BATTERY**: Provides power to the system.
- MOTOR**: Part of the generator-motor unit, used for cranking the engine.
- GENERATOR**: Part of the generator-motor unit, used for charging the battery once running.
- STARTING SWITCH**: Controls the flow of current to the motor.
- AMMETER**: Monitors the current flowing through the circuit.
- CIRCUIT BREAKER**: Protects the system from overcurrent; terminals are numbered 1-7.
- LIGHTS**: Tail light, Green light, and Towneau light, each connected to specific terminals of the circuit breaker.
- HORN**: Connected to terminal 4 of the circuit breaker.
- RESISTANCE UNIT**: Contains two resistors and a switch coil, protecting the ignition system during cranking.
- DISTRIBUTOR**: Includes a rotor and contacts leading to spark plugs.
- CONDENSER**: Connected across the distributor points to prevent arcing.

1171	Combination Switch	5175	Distributor
2159	Ignition Coil		

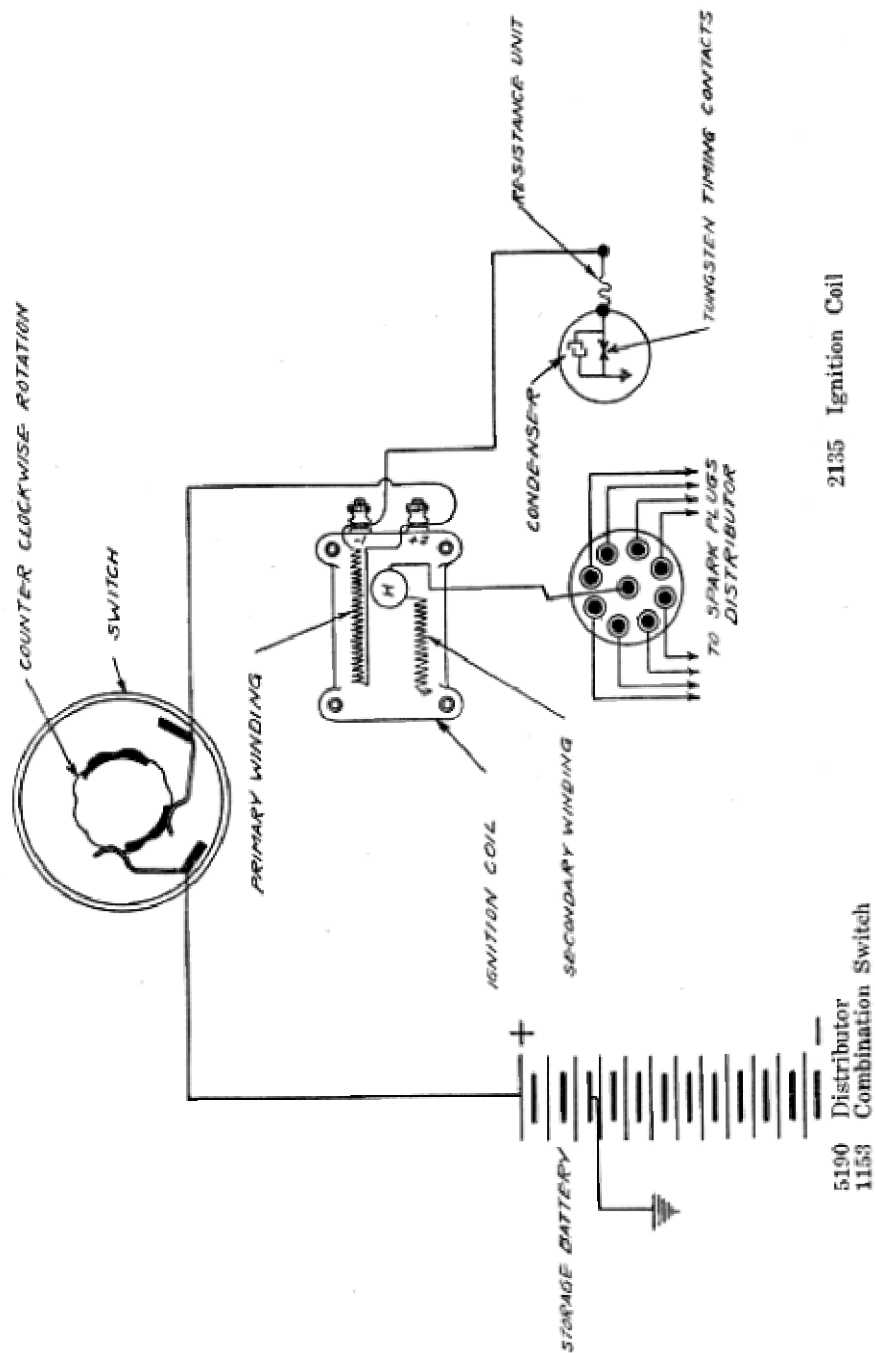
[illegible]

72	Motor
153	Generator

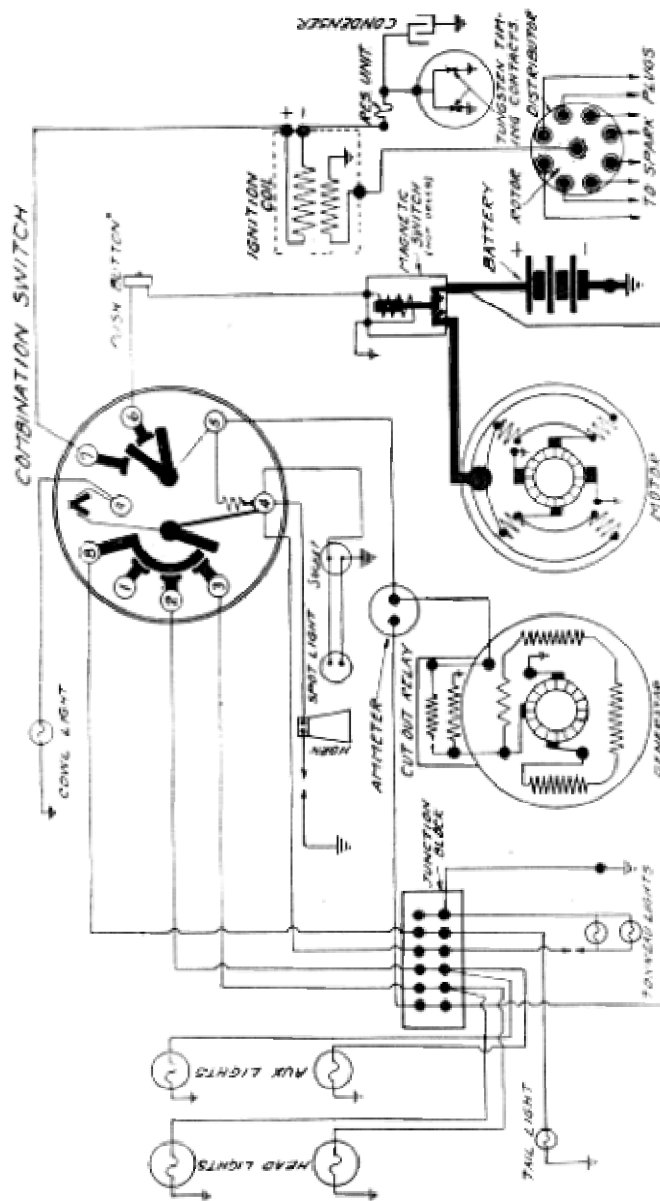
2127 Ignition Coil

1154 Combination Switch
1966 Motor Switch

CONSOLIDATED SHIPBUILDING CORPORATION—1919, 1920, 1921 Models
8-Cylinder "Speedway" Marine Engine



JAMES CUNNINGHAM SON & COMPANY—1920, 1921 Models. J-4 Series

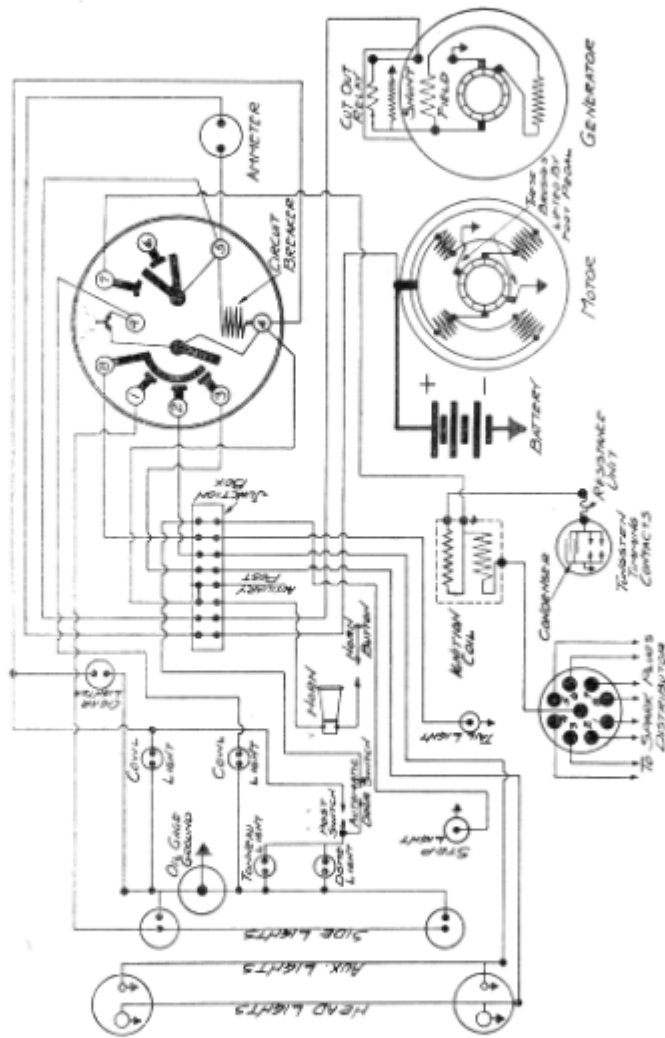


1173 Combination Switch
2135 Ignition Coil

5218 Distributor

183 Motor
182 Generator

DANIELS MOTOR COMPANY—1921. Model D-19
Model—Export 1921 (Right Hand Drive)

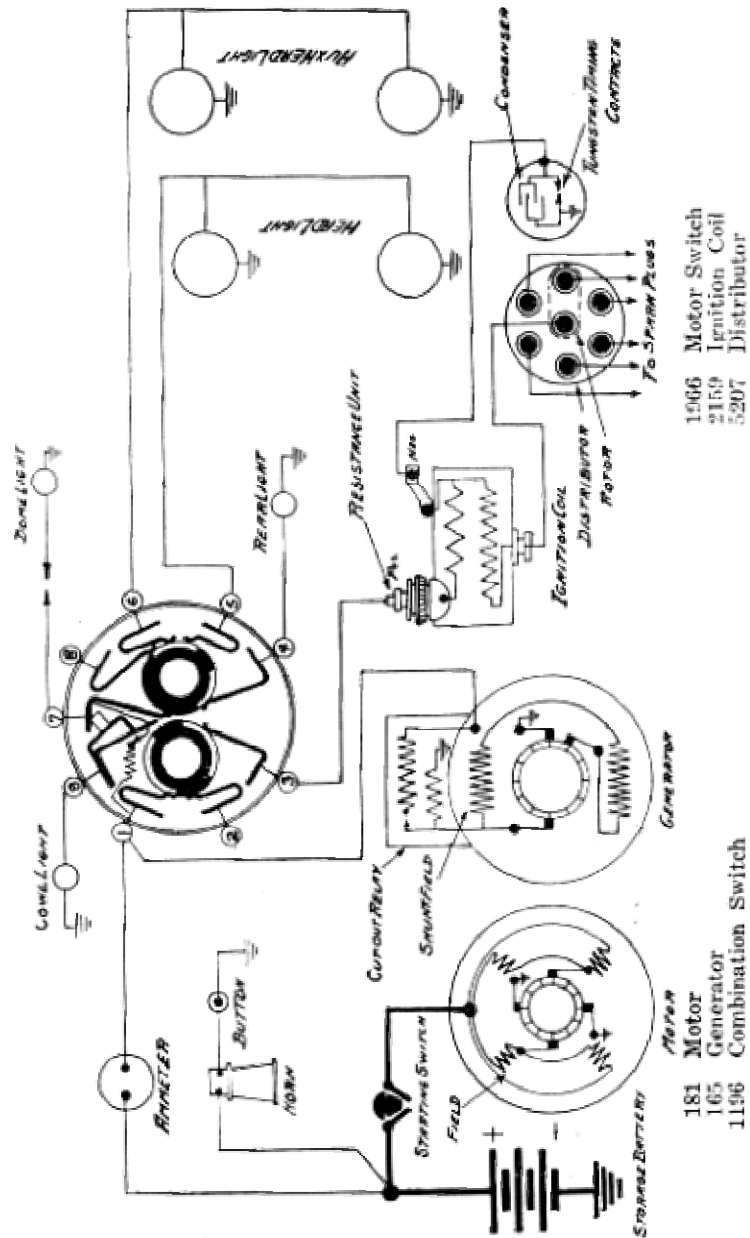


- 170 Motor
- 169 Generator
- 1161 Combination Switch
- 2127 Ignition Coil
- 5212 Distributor
- 218 Motor (Export)

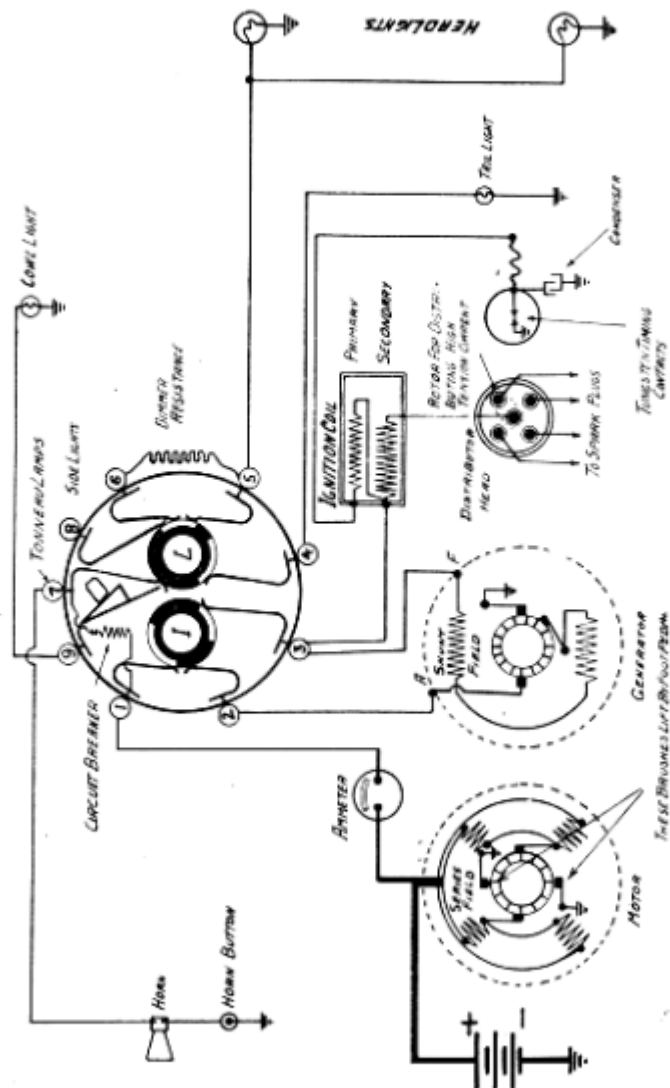
GEORGE W. DAVIS MOTOR CAR COMPANY—1921

Models 51, 52, 53, 54, 55

Using 7-R Continental Engine



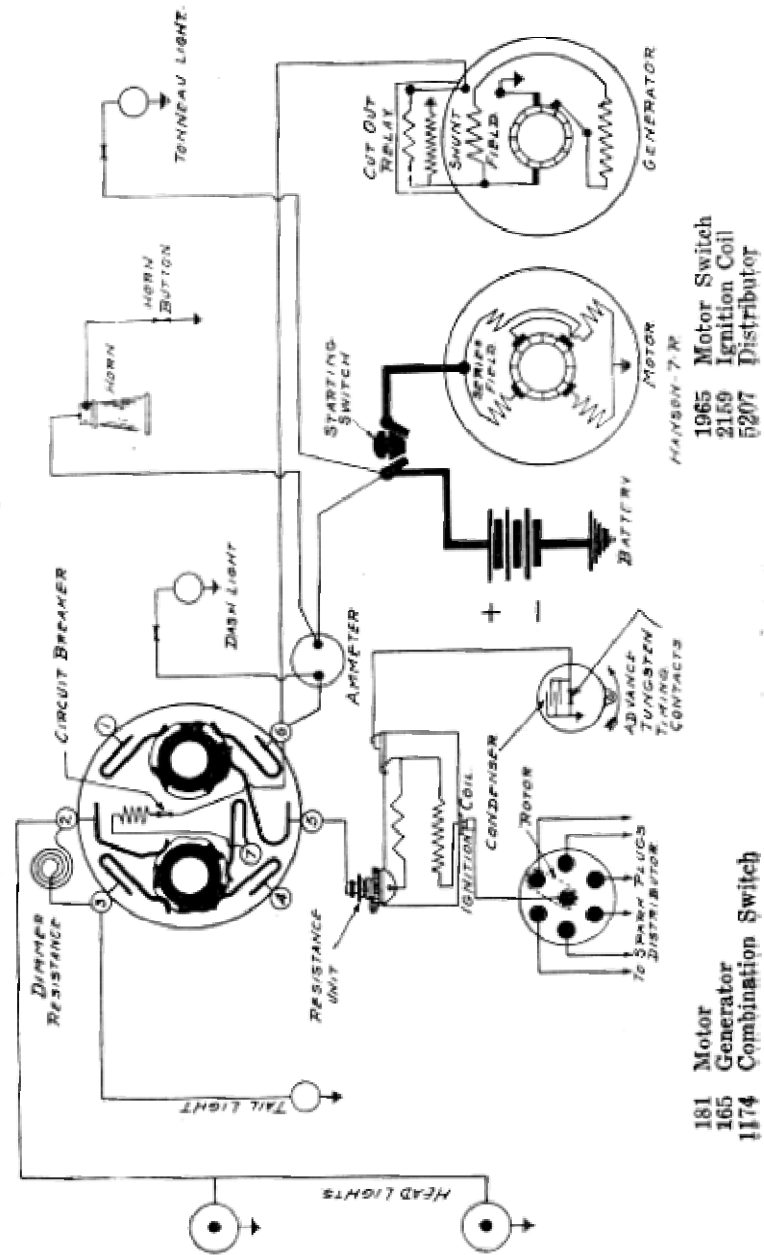
ESSEX MOTORS COMPANY—1921. Model A.



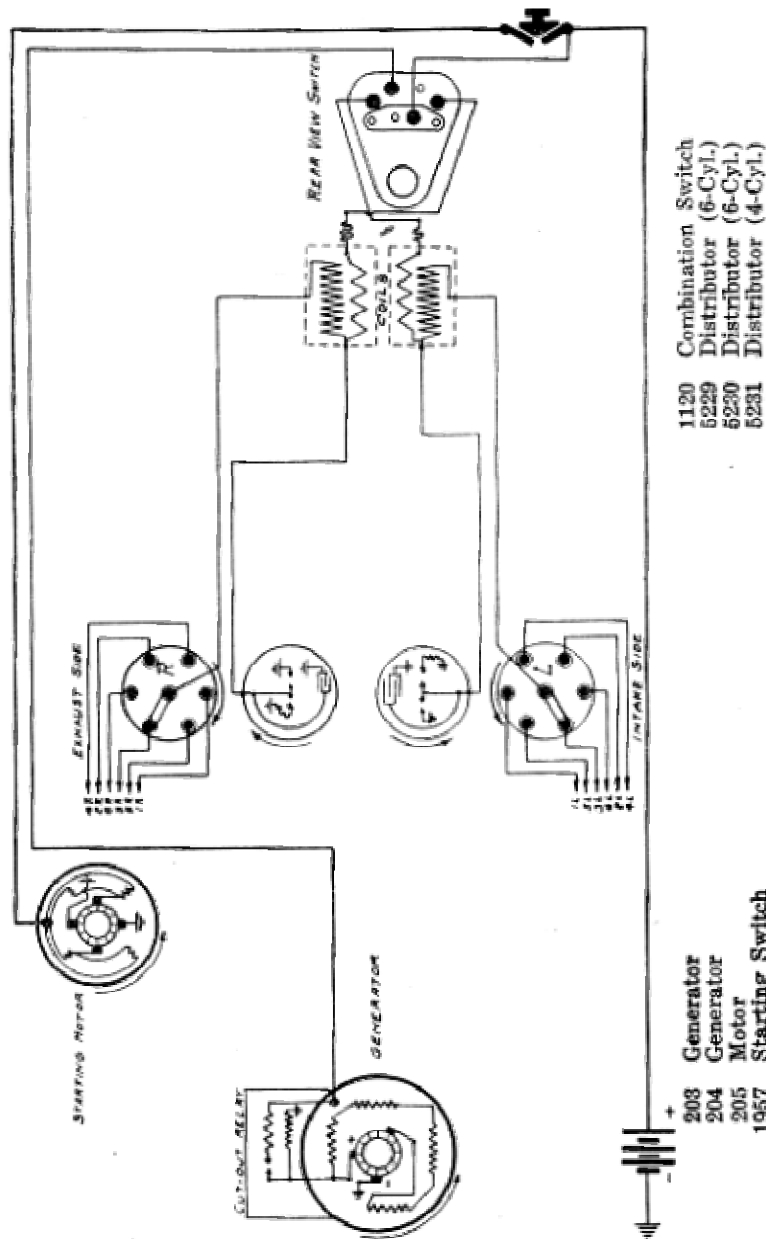
161 Motor
166 Generator
1188 Combination Switch

2127 Ignition Coil
5222 Distributor
1600 Motor Starting Pedal

HANSON MOTOR CAR COMPANY—1921. Model 54
Serial 2850 and up.
Using 7-R Continental Engine

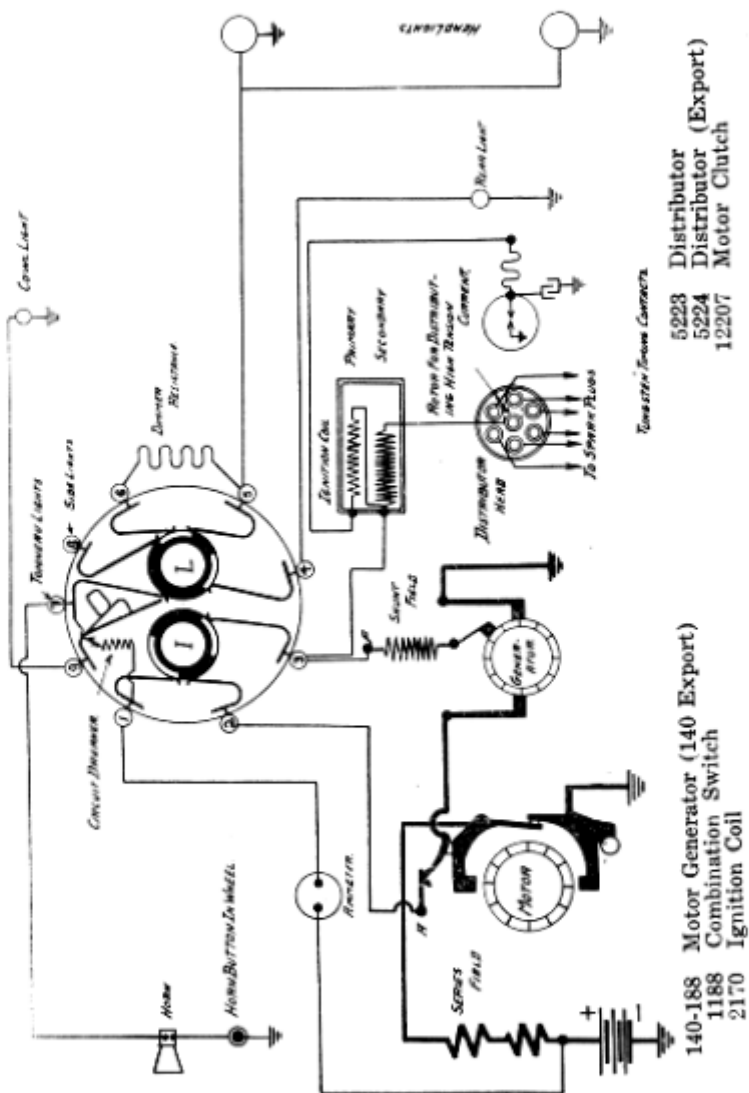


HALL-SCOTT MOTOR CAR COMPANY, INC. Marine Equipment

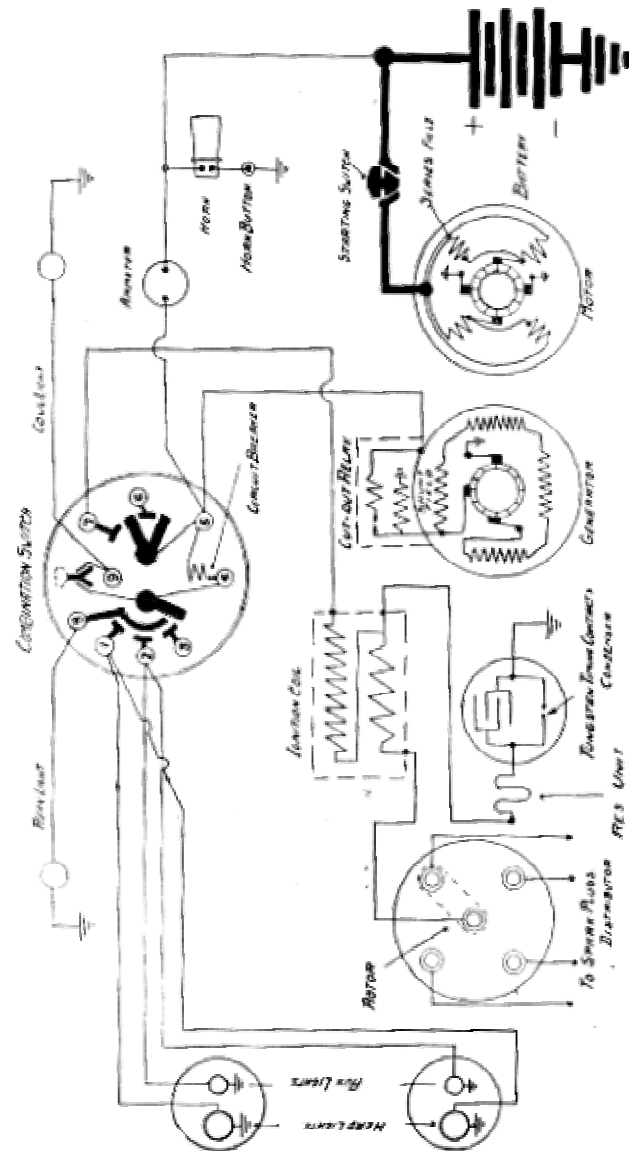


NOTE: Wiring Diagram of the Aviation Equipment appears on page 23 in the 1920 Circuit Diagram Book—
Form 709.

HUDSON MOTOR CAR COMPANY—1921
Super-Six Model "O" (Left Hand Drive)
Super-Six Model "O" Export (Right Hand Drive)



H. C. S. MOTOR CAR COMPANY—1921-1922 Models. Series 2 Using Weidely MB Engine

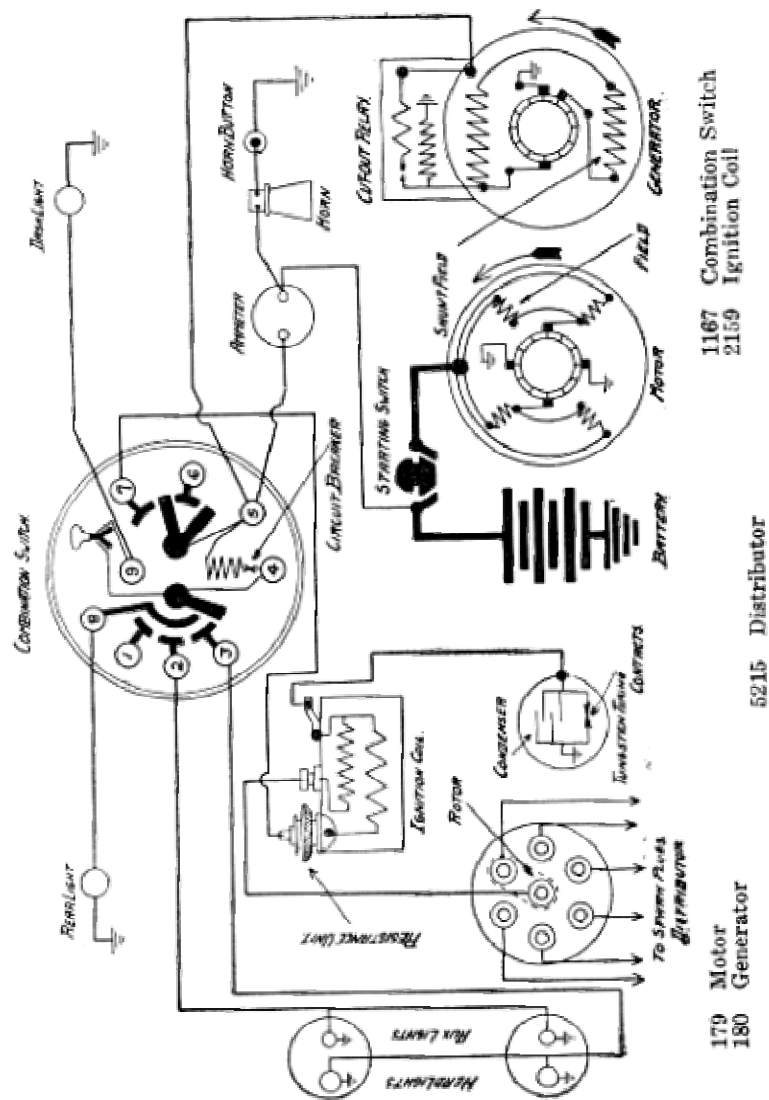


185 Motor
186 Generator
1184 Combination Switch

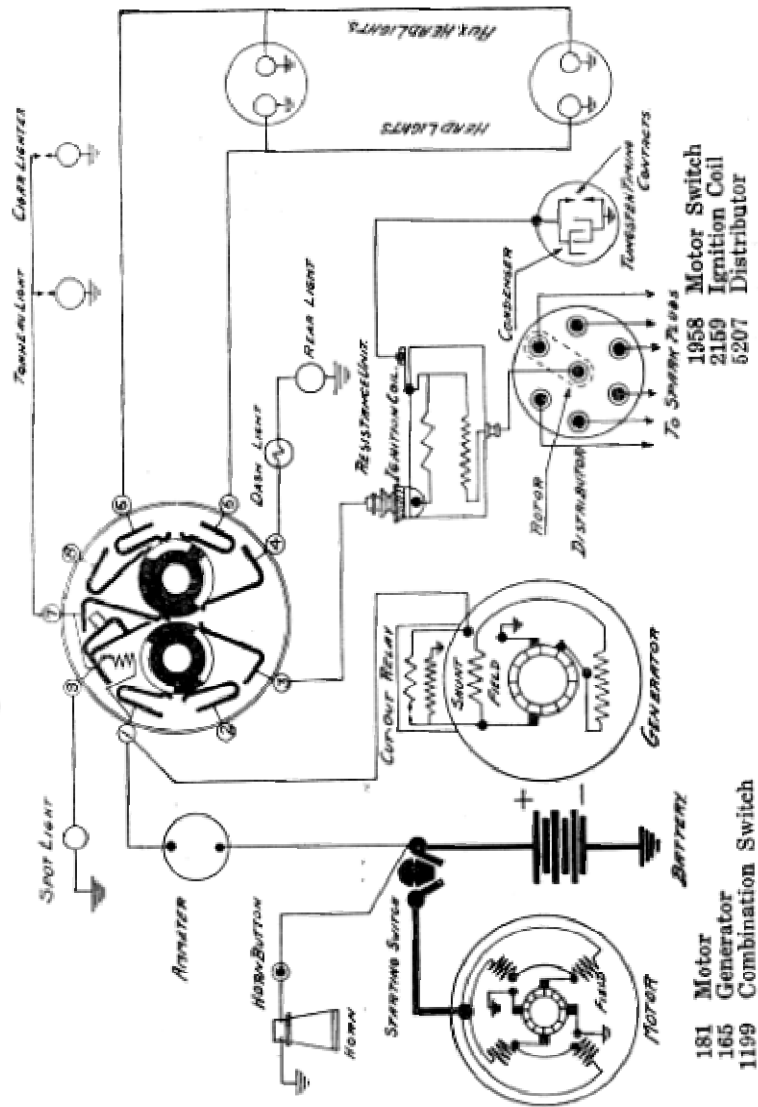
1956 Motor Switch
2170 Ignition Coil
5219 Distributor

NOTE:—Upon first 500 cars manufactured "Head Lights" were connected to No. 3 terminal on switch instead to No. 1 terminal as shown in above diagram.

JORDAN MOTOR CAR COMPANY—1921. Model F Using 9-N Continental Engine

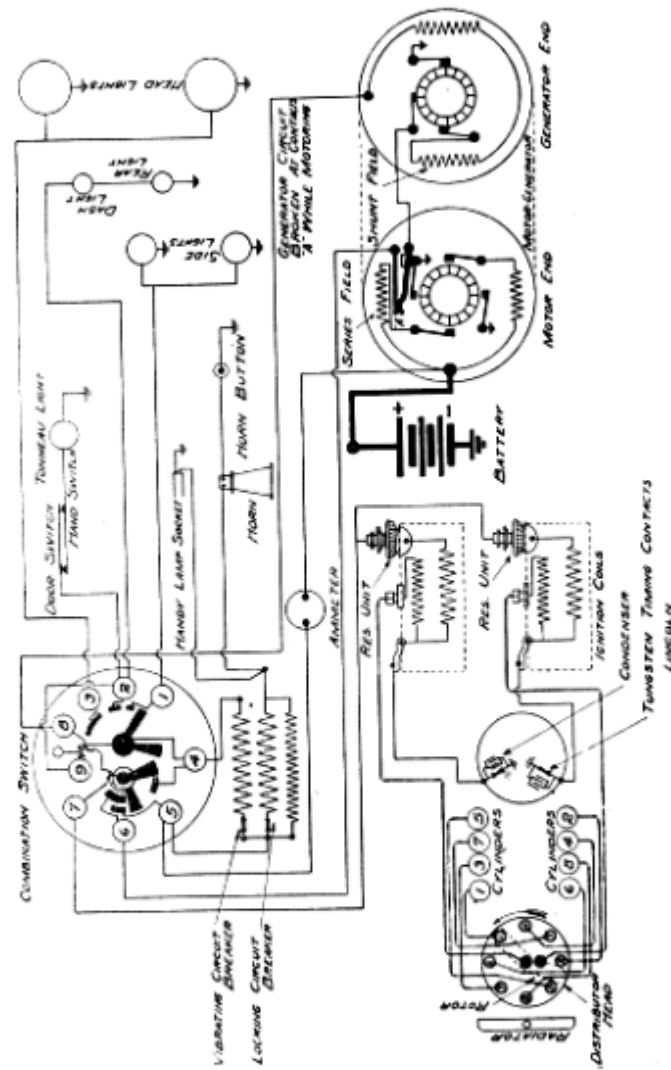


THE JORDAN MOTOR CAR COMPANY—1921. Model M-X
 Serial 15001 and up.
 Using 7-R Continental Engine



5221 Distributor
14812 Motor Clutch
5742 Circuit Breaker

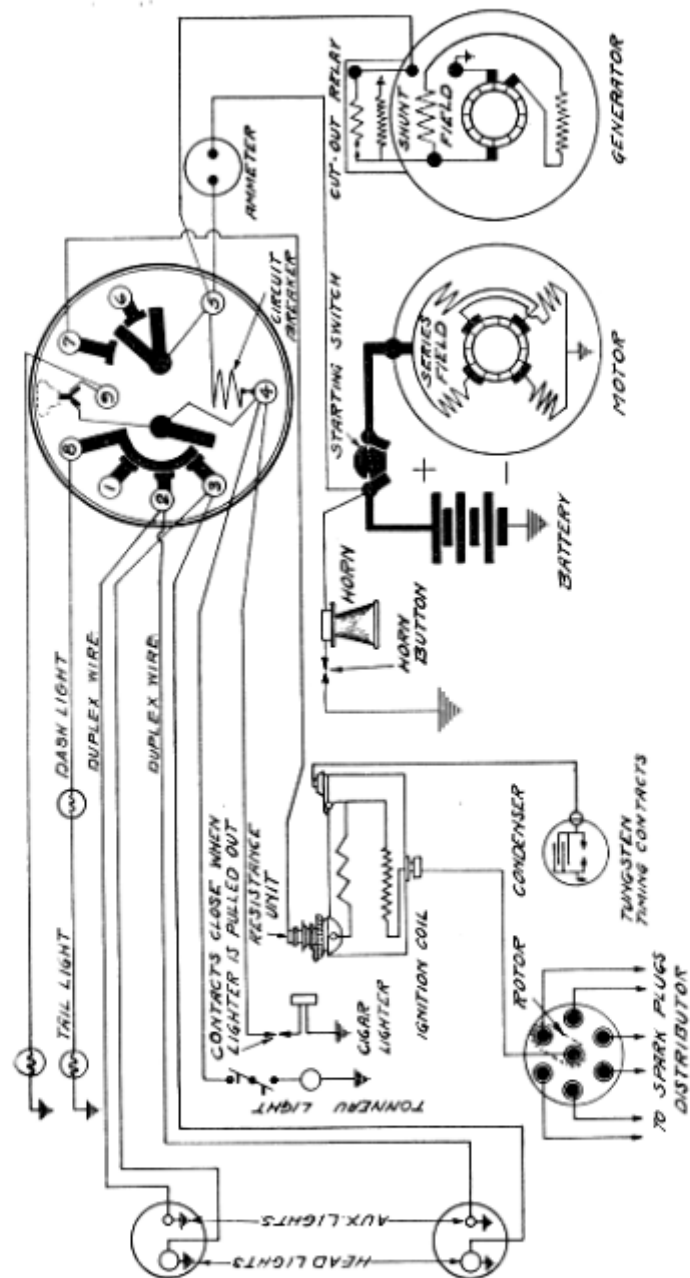
LINCOLN MOTOR COMPANY—"The Lincoln"



5226 Distributor
14799 Motor Clutch
5742 Circuit Breaker

193 Motor Generator
1187 Combination Switch
2-2159 Ignition Coil

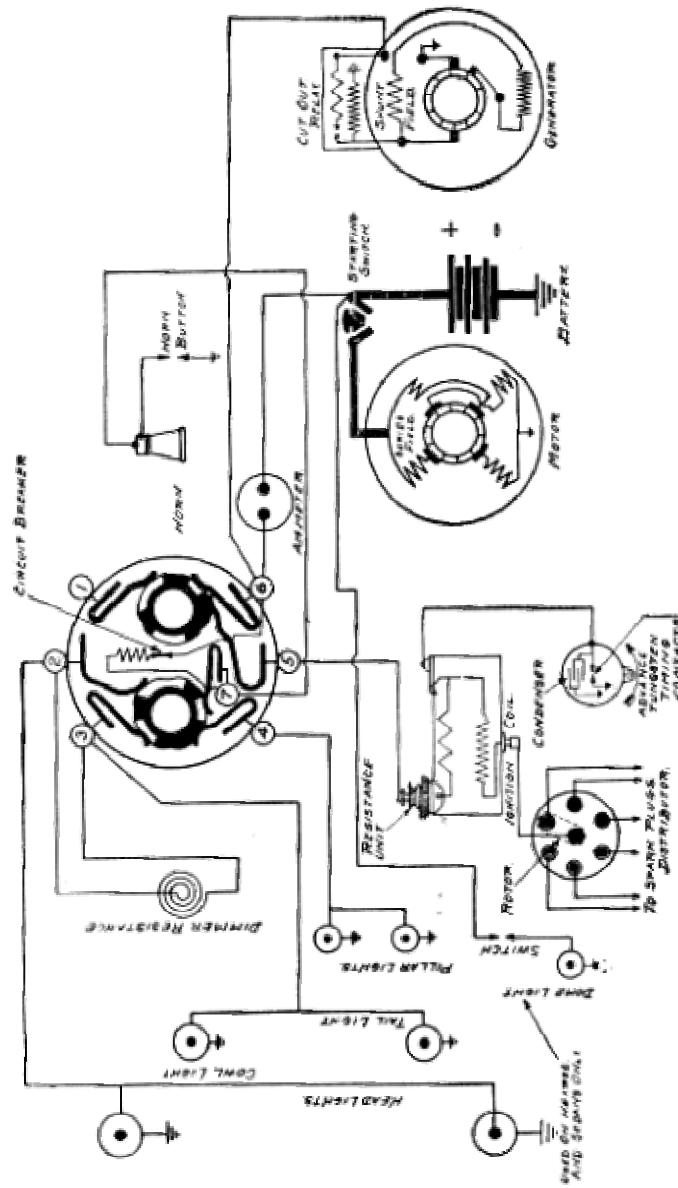
MOON MOTOR CAR COMPANY—1921. Model 6-68
Using 9-N Continental Engine



1964 Motor Switch
2159 Ignition Coil
5215 Distributor

179 Motor
180 Generator
1180 Combination Switch

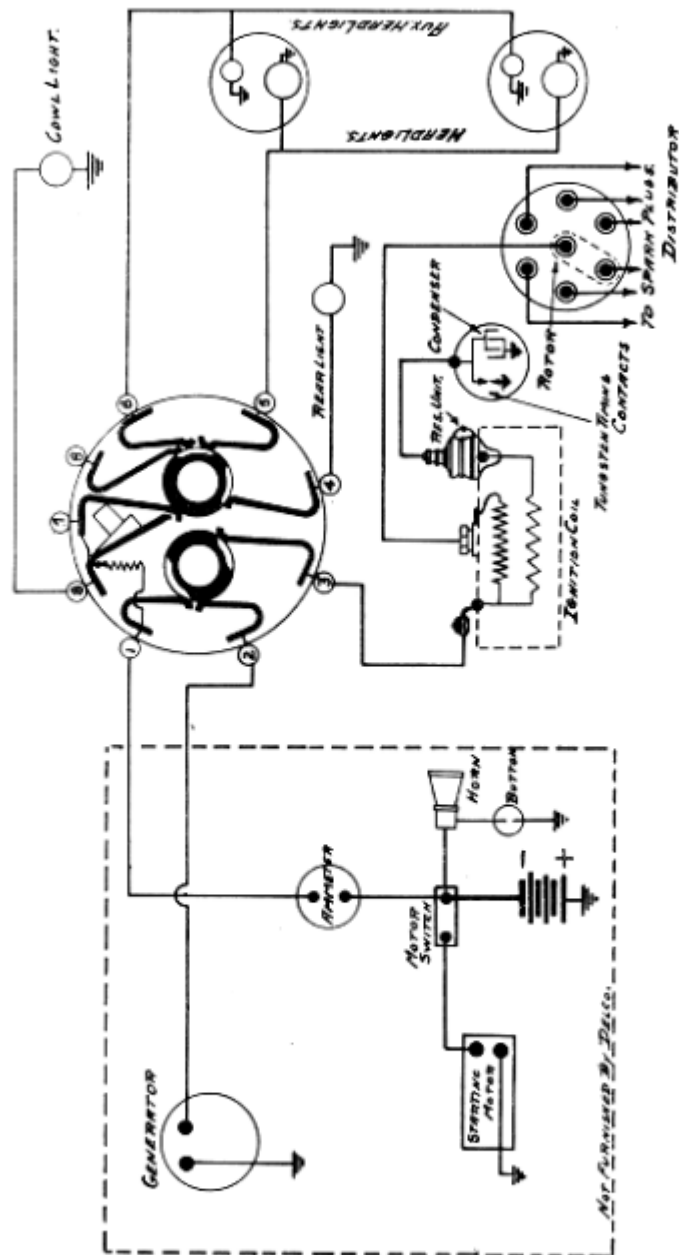
A. J. MILLER & COMPANY—1921 Model
Using 9-N Continental Engine



1965 Motor Switch
2159 Ignition Coil
5215 Distributor

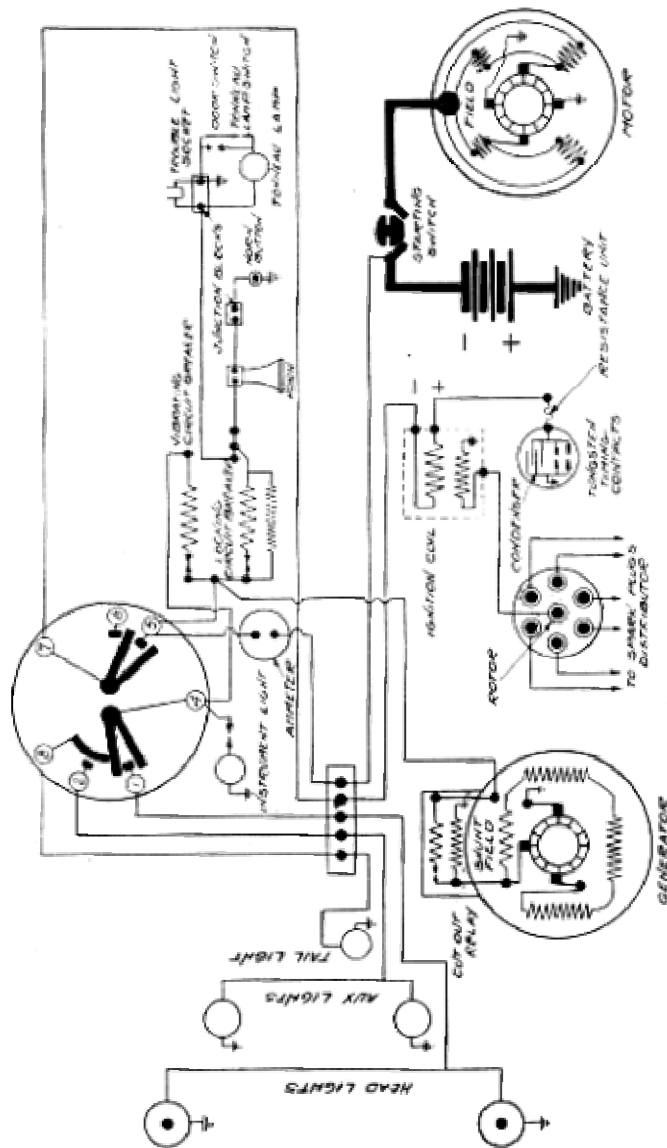
179 Motor
180 Generator
1172 Combination Switch

NATIONAL MOTOR CAR & VEHICLE CORPORATION—1921 Model. Series BB



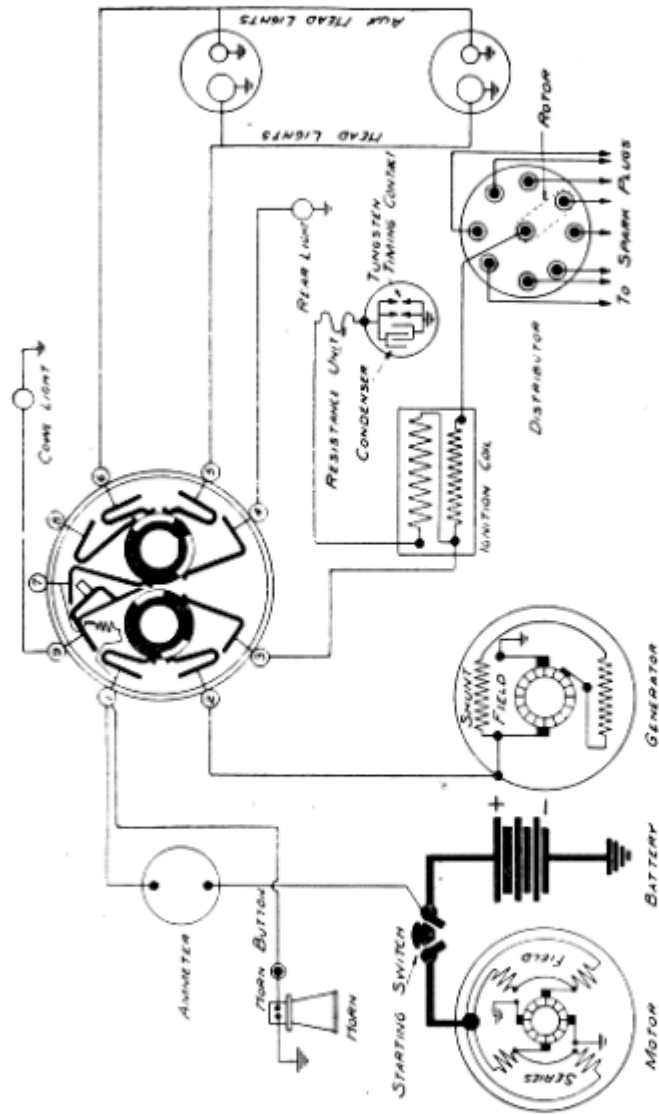
1191 Combination Switch
2159 Ignition Coil
5211 Distributor

NORDYKE & MARMON COMPANY—1921. Model 34-B



- | | |
|-------------------------|----------------------|
| 172 Motor | 1957 Motor Switch |
| 168 Generator | 2135 Ignition Coil |
| 1163 Combination Switch | 5742 Circuit Breaker |

OLDS MOTOR WORKS—1921. Model 45-B

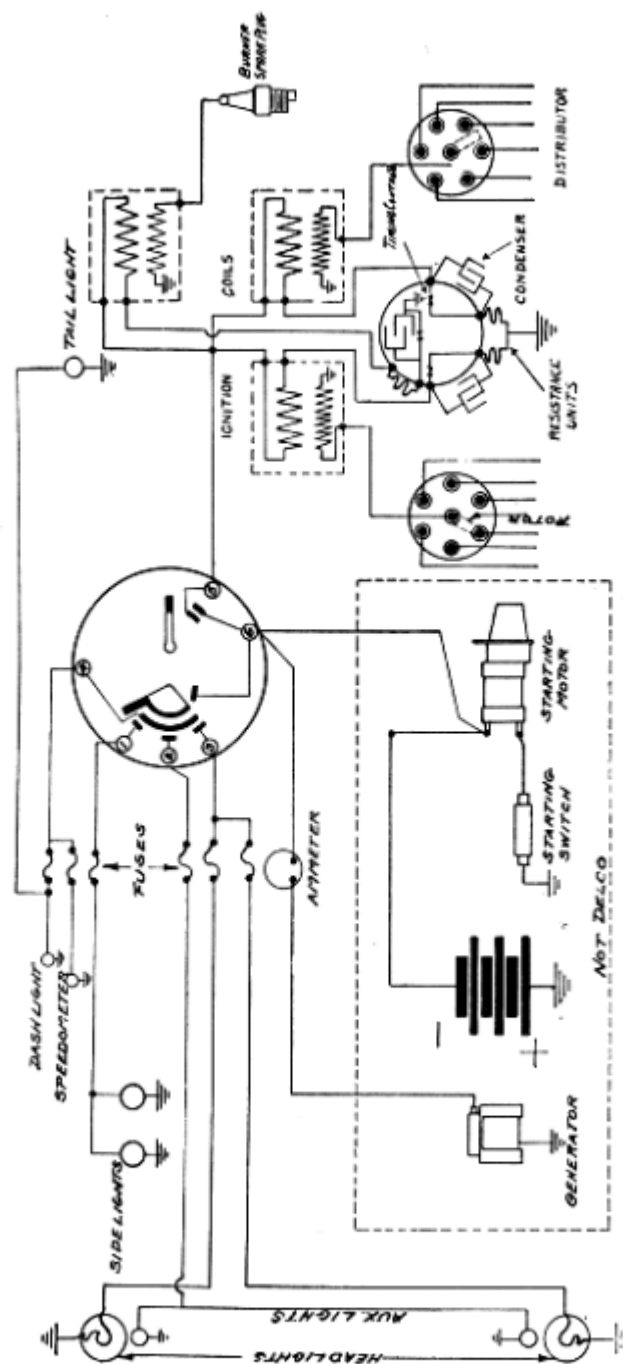


178 Motor
167 Generator

2127 Ignition Coil

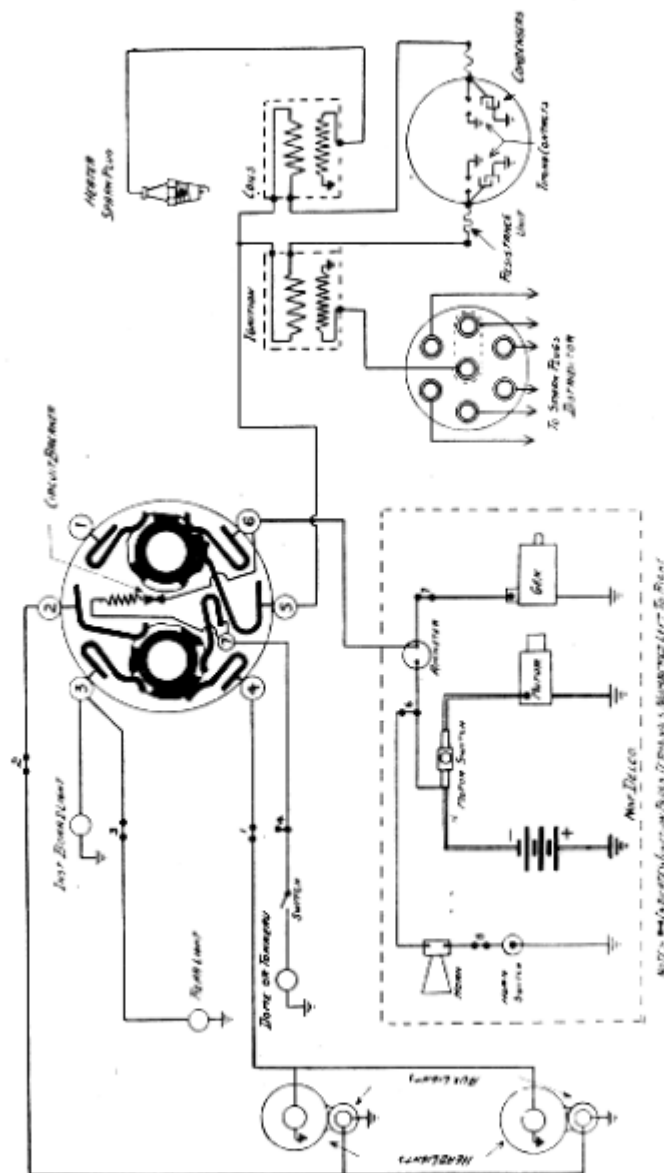
1198 Combination Switch
1966 Motor Switch

PACKARD MOTOR CAR COMPANY—1920-1921. Model 325, 335



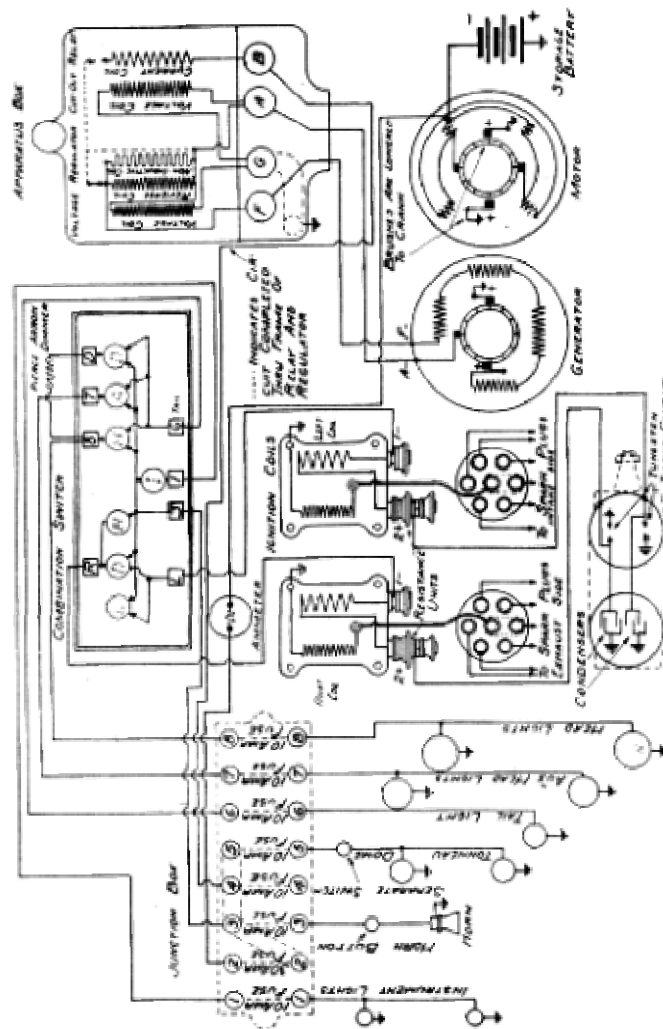
1092 Combination Switch
 3-2150 Ignition Coil
 5220-5228 Distributor

PACKARD MOTOR CAR COMPANY—1921. Model 116



1179 Combination Switch
2-2150 Ignition Coil
5228 Distributor

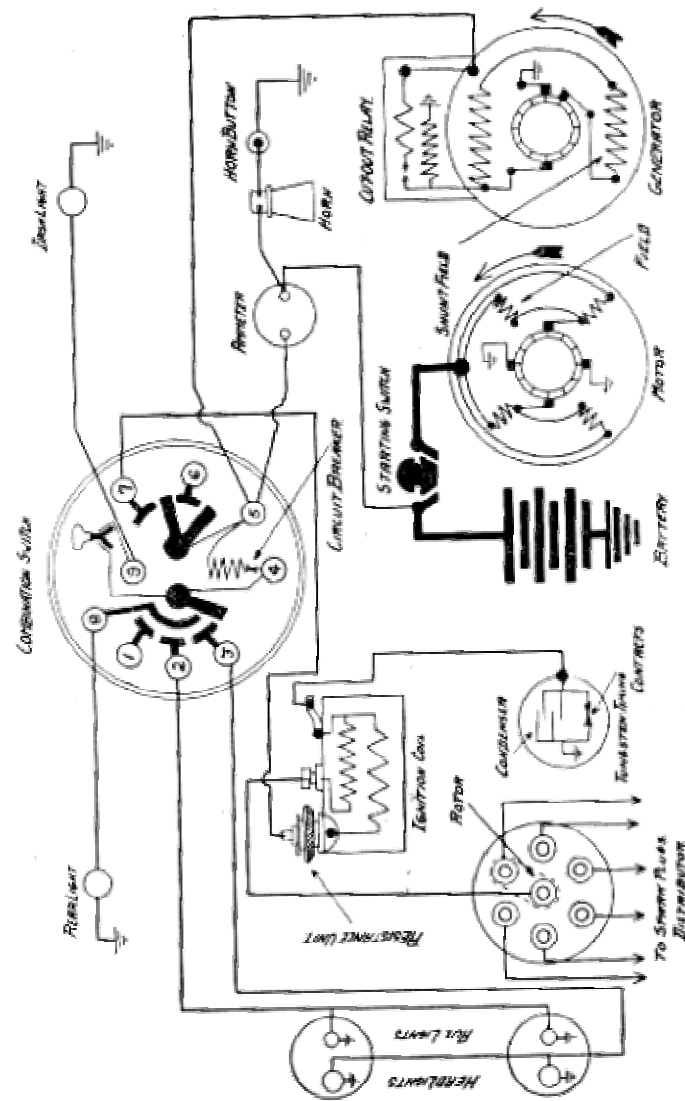
THE PIERCE-ARROW MOTOR CAR CO.—1921 Model. Series 32 (Passenger)



2-2171 Ignition Coil
5216 Distributor
5513 Apparatus Box

191 Motor
192 Generator
1186 Combination Switch

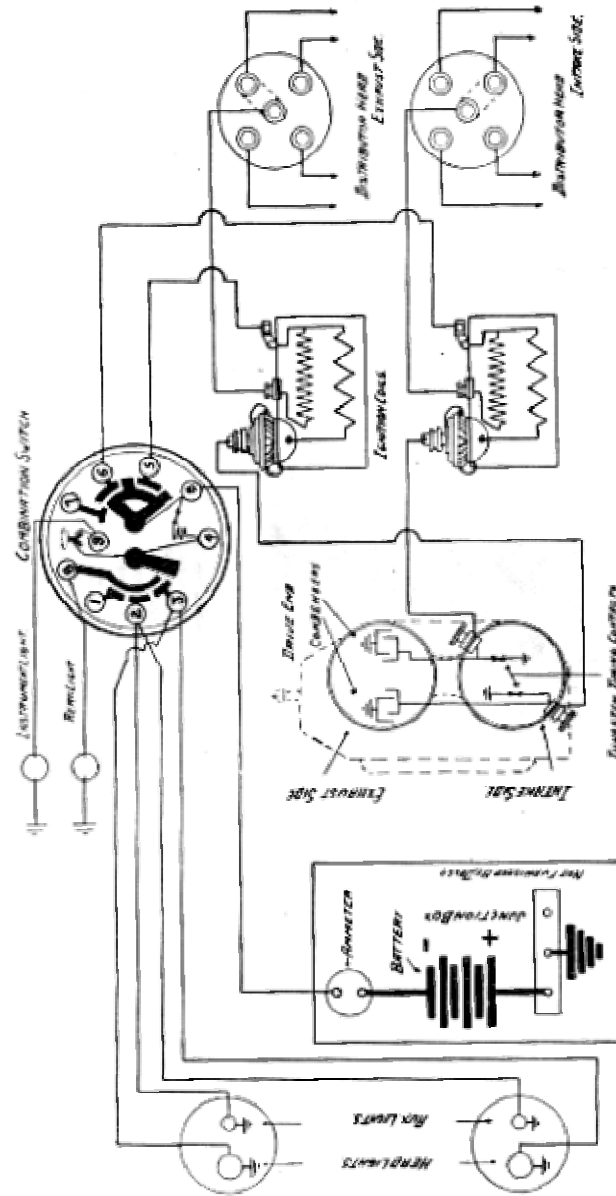
RIDDLE COACH & HEARSE COMPANY—1921. Model 22 Using 9-N Continental Engine



179 Motor
 180 Generator
 1181 Combination Switch

1965 Motor Switch
 2159 Ignition Coil
 5215 Distributor

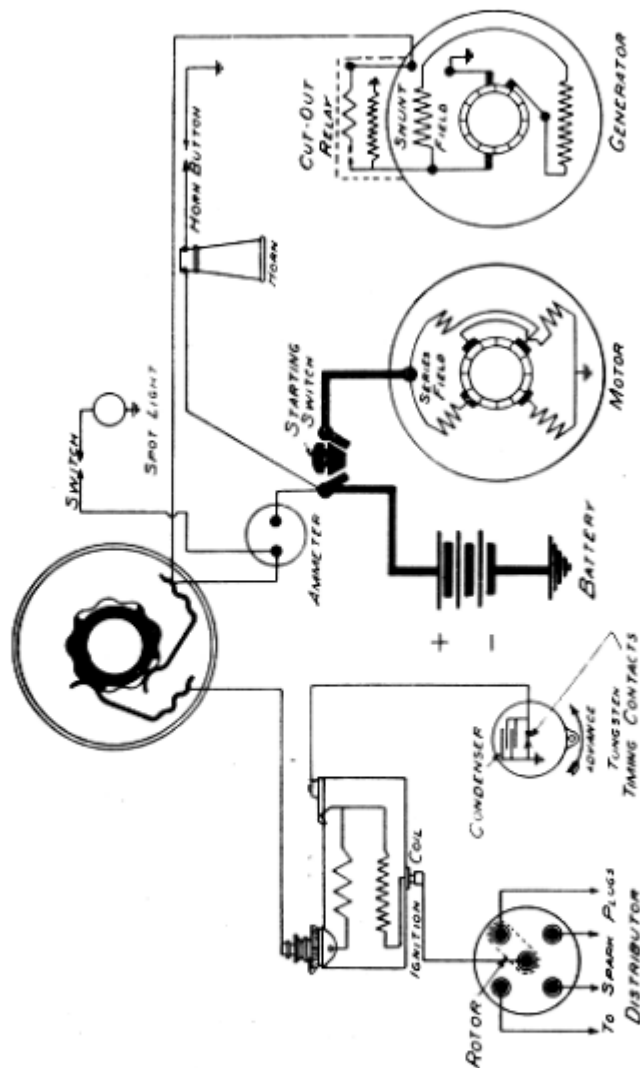
STUTZ MOTOR CAR COMPANY OF AMERICA—1921 Model. Series K



STUTZ

1175 Combination Switch
2-2159 Ignition Coil
5209 Distributor

THE TOWMOTOR COMPANY—1921 Model
 Using 4-Cylinder MA Weidely Engine



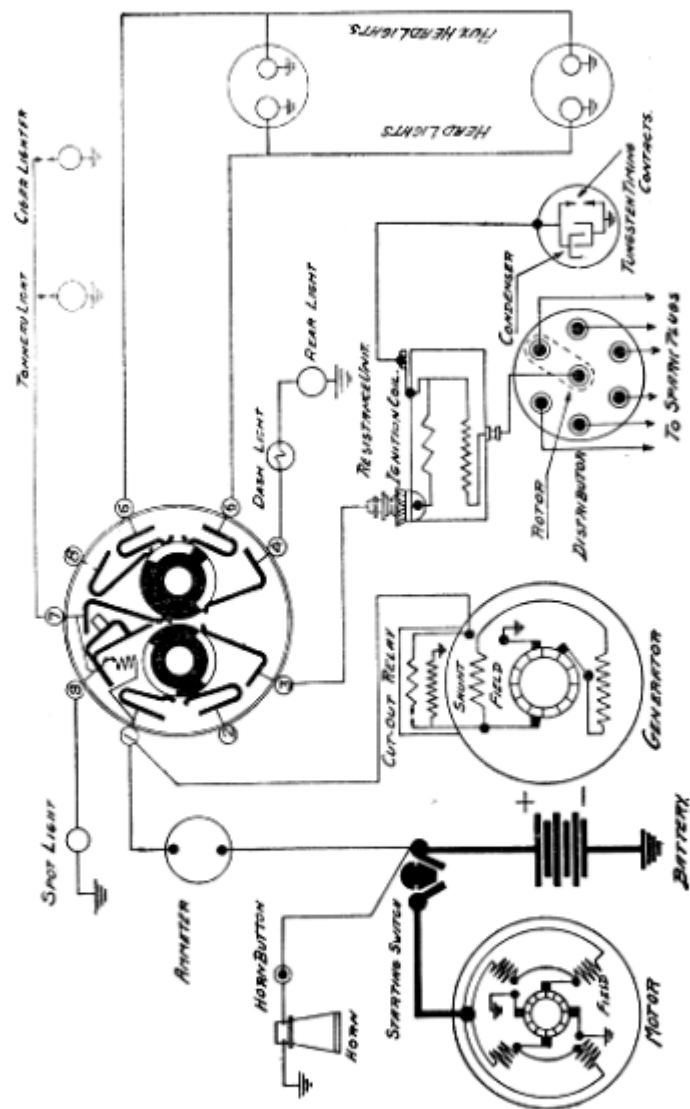
1964 Motor Switch
 2159 Ignition Coil
 5214 Distributor

189 Motor
 165 Generator
 1153 Combination Switch

[illegible]

179	Motor
180	Generator
1157	Combination Switch

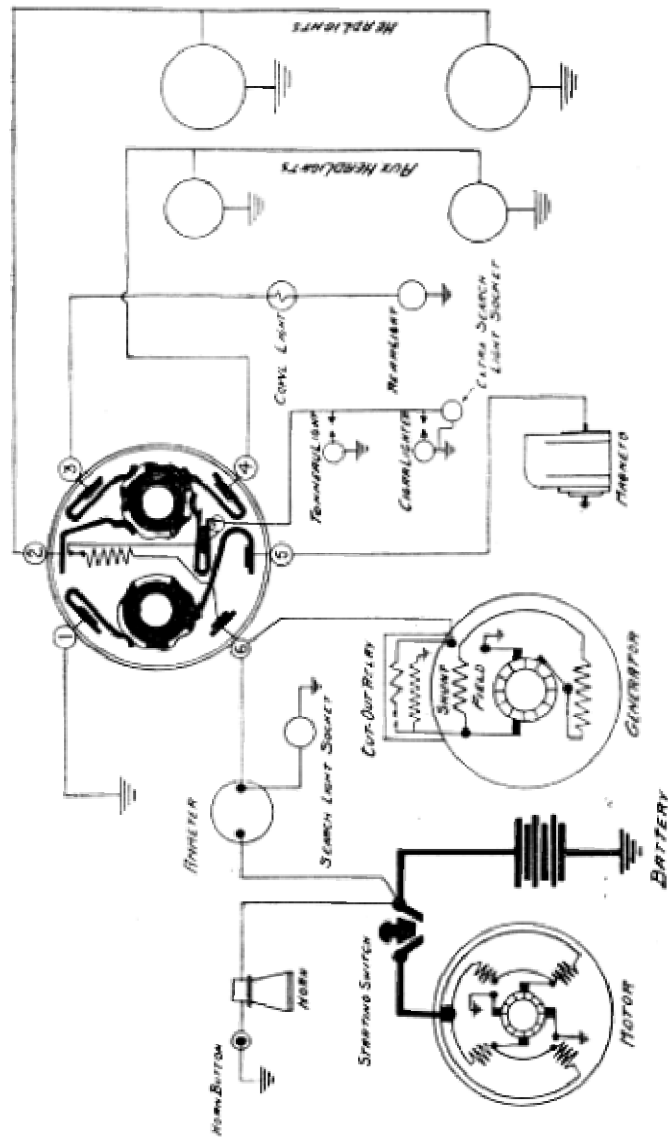
THE WESTCOTT MOTOR CAR COMPANY—1921. Model C-38
Using 7-R Continental Engine



181 Motor
165 Generator
1197 Combination Switch

1964 Motor Switch
2159 Ignition Coil
5208 Distributor

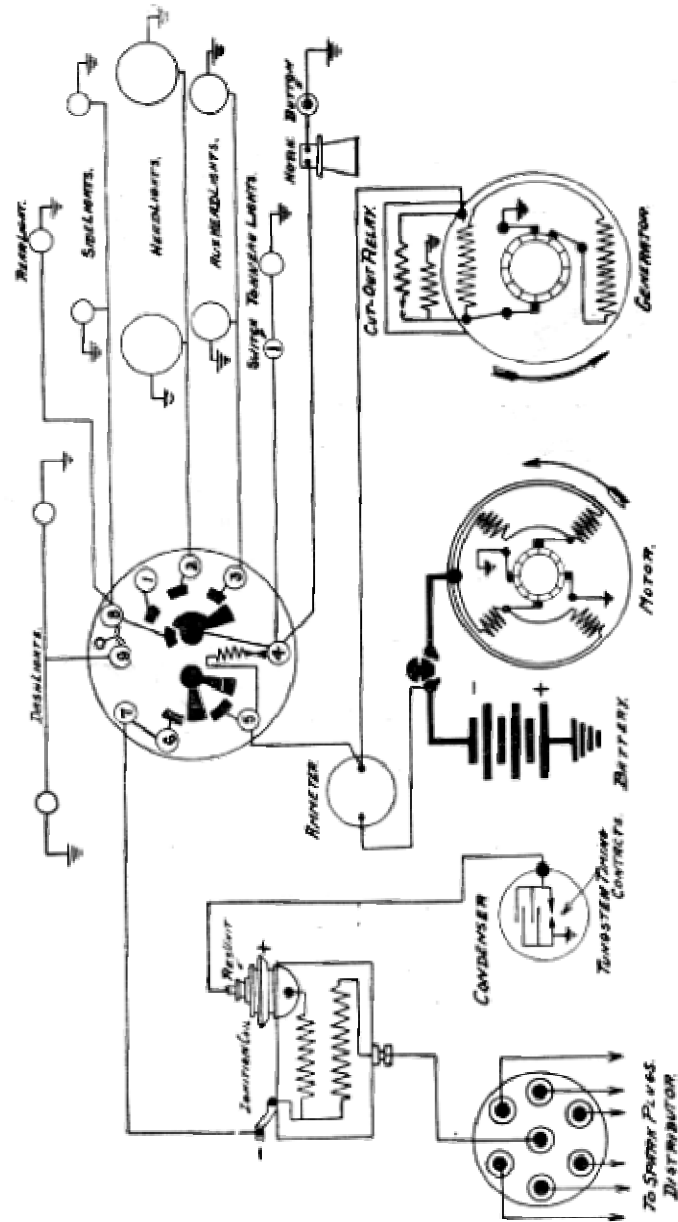
THE WESTCOTT MOTOR CAR COMPANY—1921. Model R-38
Export (Right Hand Drive)



1189 Combination Switch
1964 Motor Switch

181 Motor
199 Generator

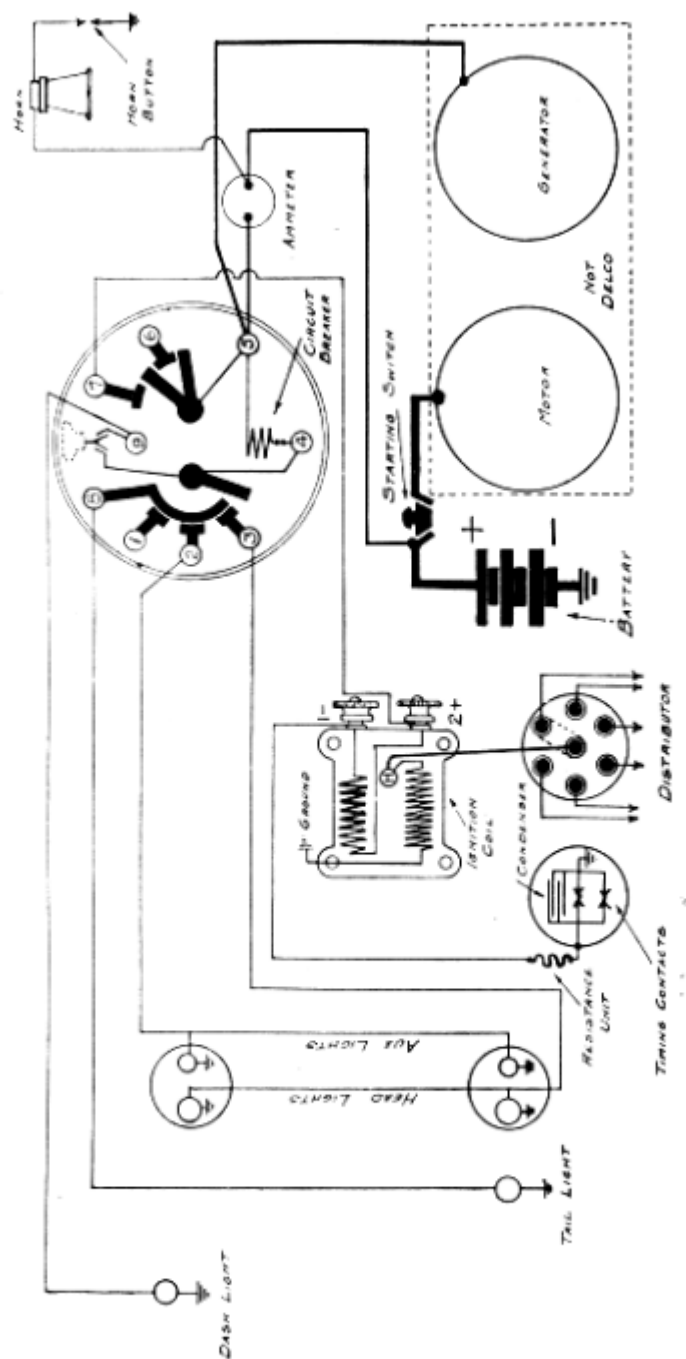
THE WINTON COMPANY—1921. Model Export 25-R



1958 Motor Switch
2159 Ignition Coil
5233 Distributor

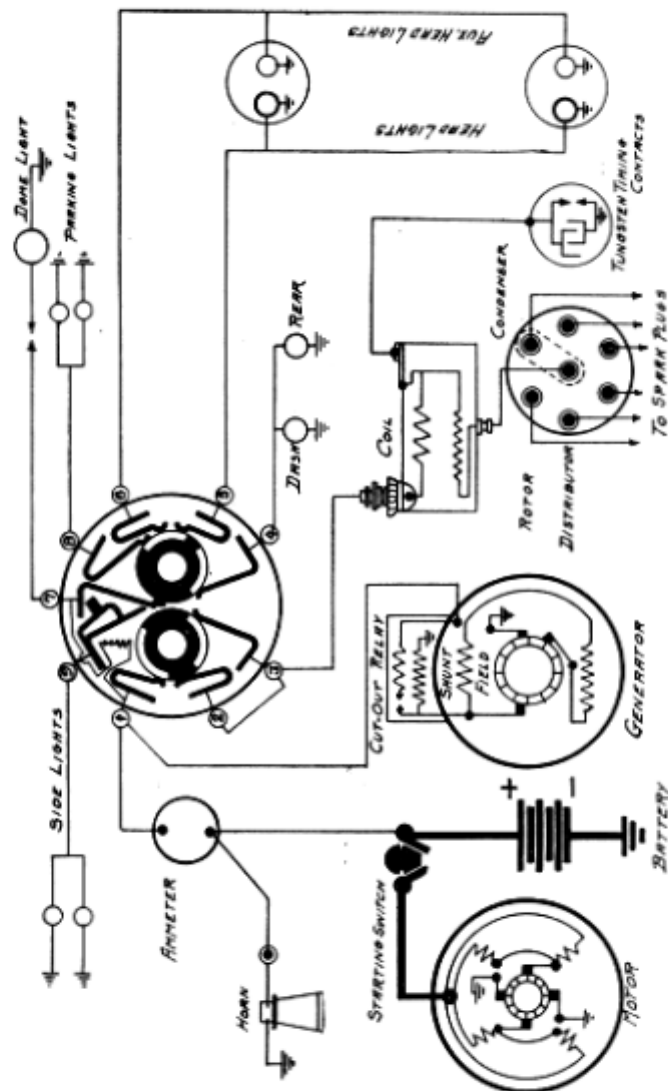
209 Motor
210 Generator
1203 Combination Switch

FERGUS MOTORS OF AMERICA, INC.—1922 Model



- 1207 Combination Switch
- 2135 Ignition Coil
- 5240 Distributor

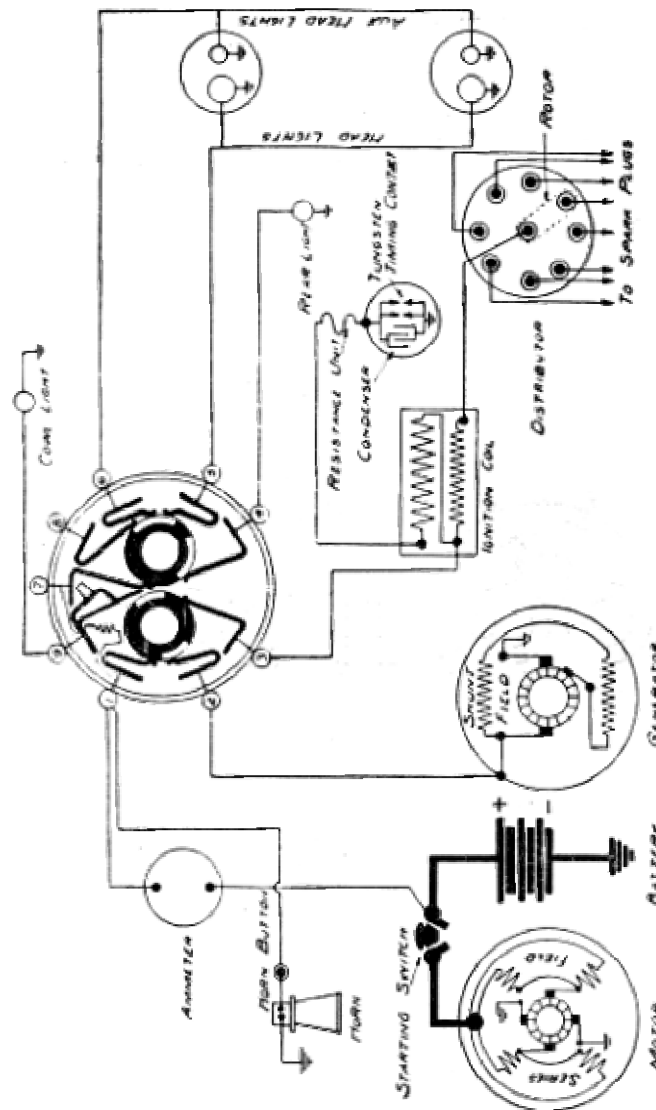
MOON MOTOR CAR COMPANY—1922 Model Using 7-R Continental Engine



1964 Motor Switch
2159 Ignition Coil
5208 Distributor

181 Motor
165 Generator
1196 Combination Switch

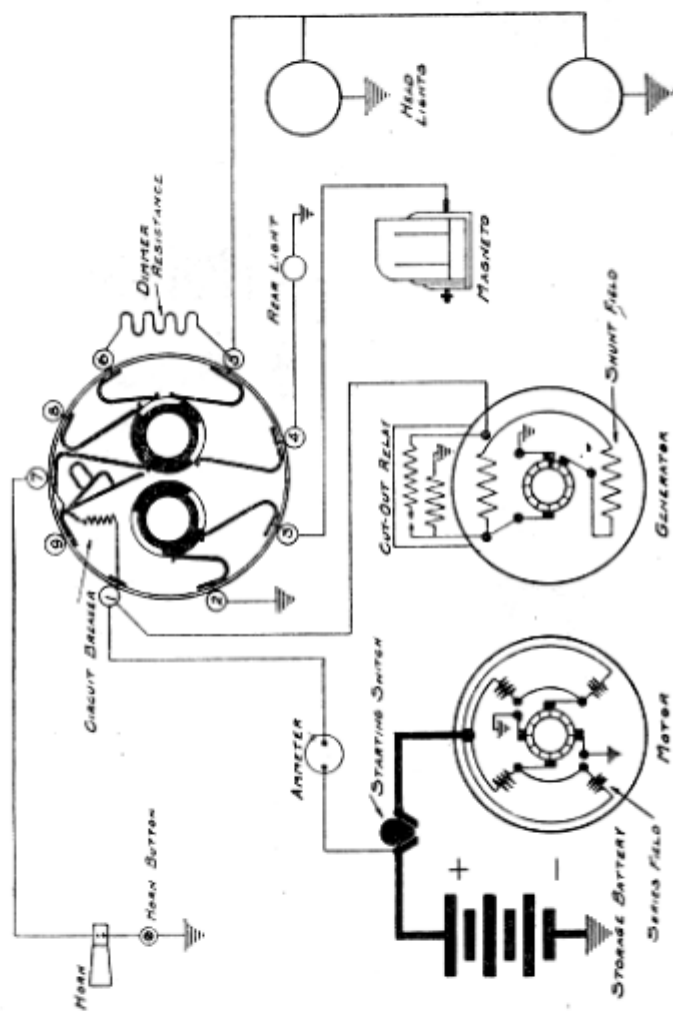
OLDS MOTOR WORKS—1922. Model 47



1966 Motor Switch
2127 Ignition Coil
5210 Distributor

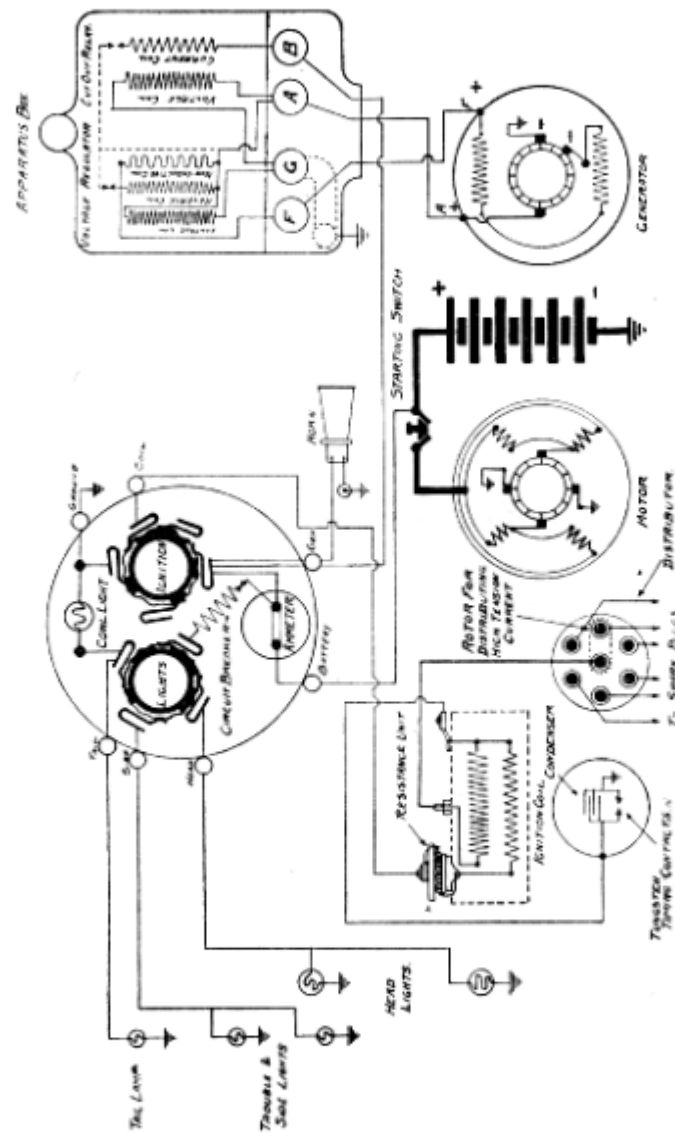
219 Motor
220 Generator
1198 Combination Switch

REPUBLIC MOTOR TRUCK COMPANY, INC.—1922. Model 10 Express
Using 4-N Continental Motor



226 Motor
227 Generator
1211 Combination Switch
1966 Motor Switch

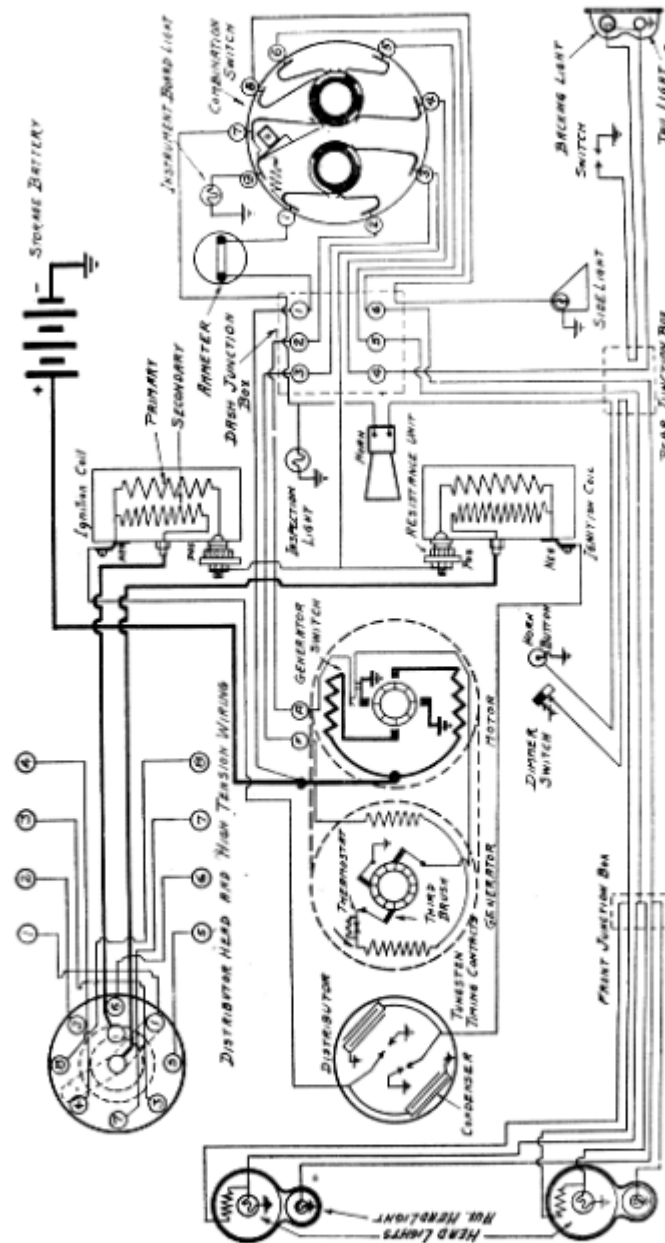
THE SEAGRAVE COMPANY—1922. Models F-4 and F-6



2169 Ignition Coil
5227 Distributor (F-4)
5242 Distributor (F-6)
5515 Apparatus Box

224 Motor
225 Generator
1126 Combination Switch
1966 Motor Switch

C. H. WILLS & COMPANY—1922 Model



207 Motor Generator
1204 Combination Switch

2-2159 Ignition Coil
5235 Distributor

